

COMMENCEMENT



MASSACHUSETTS INSTITUTE OF TECHNOLOGY

ONLINE CELEBRATION PROGRAM
HONORING THE GRADUATES OF 2020
FRIDAY, MAY 29, 2020



WELCOME

A warm welcome to MIT Commencement 2020! This year, in celebrating our graduates, we also honor their incredible courage and resilience in persevering through the disruption and disappointment of the past few months. And we extend our deepest thanks to their families and friends, whose love, inspiration, and encouragement carried our students to this important moment.

Today's graduates will join a global family of more than 141,000 MIT alumni around the world. Across time and across distance, MIT is a community held together by profound values: The ideals of excellence, integrity, meritocracy, and openness. A passion for solving tough problems. A commitment to take the high road. And a rare set of skills that can be applied in countless ways to serve the common good.

As we congratulate our new graduates on all they have accomplished, we dream of the wiser and kinder world they can help create.

L. Rafael Reif
President

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ORDER OF THE PROGRAM

PRELUDE

To The Light, To The Flame
composed by Jamshied Sharifi '83
conducted by Frederick E. Harris, Jr.
performed by The MIT Wind Ensemble

WELCOME

Robert B. Millard '73
Chairman, MIT Corporation

INVOCATION

Reverend Thea Keith-Lucas
Episcopal Chaplain, MIT

COMMENCEMENT ADDRESS

William H. McRaven
US Navy Admiral, Retired
Chancellor, University of Texas System,
2015–2018

COMUSICA

Introduction by Eran Egozy '95
Professor of the Practice, Music and
Theater Arts, MIT

SALUTE

Peter X. Su PhD '20
President, MIT Graduate Student Council
2018–2020

SALUTE AND TURNING OF THE CLASS RING

Nwanacho Nwana '20
President, MIT Class of 2020

GREETINGS FROM THE INTERNATIONAL SPACE STATION

Christopher J. Cassidy SM '00
US Navy Captain
Commander, Expedition 63

CHARGE TO THE GRADUATES AND CONFERRING OF DEGREES

L. Rafael Reif
President, MIT

SALUTE TO THE ADVANCED DEGREE RECIPIENTS

Esther Duflo PhD '99
Abdul Latif Jameel Professor of Poverty
Alleviation and Development Economics,
MIT

CLOSING REMARKS

Robert B. Millard '73
Chairman, MIT Corporation

SCHOOL SONG

Chorallaries of MIT

TAKE ME BACK TO TECH

MIT Community

WELCOME INTO THE MIT ALUMNI ASSOCIATION

R. Erich Caulfield SM '01 PhD '06
President, MIT Alumni Association

ONLINE

DOWNLOADS

The MIT Parents Association invites you to celebrate the graduates of 2020 with its [DIY Commencement Party Kit](#), including customizable party decorations, sing-along music and lyrics, a discount code to the COOP, and more.

SOCIAL MEDIA

Tag your social media posts with #MIT2020. Connect on Twitter (@MIT, @MITCommencement, @MITStudents, @MIT_Alumni), Instagram (MITpics, MITStudents, MITalumni), and Facebook (Facebook.com/MITnews, Facebook.com/MITAA). Go to socialmediahub.mit.edu to experience the day through MIT social media accounts.

INFINITE THANKS

To the speakers, musicians, hosts, planners, producers, and all who applied mind, hand, and heart to the creation of Commencement 2020. Credits, acknowledgments, and video from today's proceedings are available online: commencement.mit.edu

IN MEMORIAM

Our friends are remembered with love by the Class of 2020

Henoch Argaw

Henoch Argaw was born in Finland and raised in Colorado. Before coming to MIT, he was a recipient of the President's Award for Educational Excellence and served as a member of the College Board Advanced Placement Advisory Board, treasurer of the National Chinese Honor Society's Grandview Chapter, and vice president for Mu Alpha Theta.

At MIT, Henoch lived in East Campus and was majoring in Computer Science, Economics, and Data Science. A motivated self-learner, he found joy at an early age in teaching and mentoring others. Henoch—who spoke English, Amharic, Mandarin, and Arabic—developed several games and apps for Android, including flashcards in mathematics, Chinese, and Arabic. He also created an open-source code of the Lightning Network for private cryptocurrency transactions for the MIT Media Lab's Digital Currency Initiative.

Henoch was an officer for the MIT Club Sports Council, treasurer for the MIT Bitcoin Expo 2017 and the MIT Ethiopian-Eritrean Student Association, and participated in numerous activities that included the MIT International Science and Technology Initiatives program in Jordan, as well as the Tae Kwon Do, Bitcoin, and Skydiving Clubs. Known for his humble, gracious, and quiet spirit, Henoch loved to run track and to play trumpet, soccer, table tennis, chess, and poker. He passed away in the fall of 2017, during his second year at MIT, and his legacy lives on in the [Henoch Argaw Foundation](#), which recognizes and supports academic excellence in science and technology.

Katherine Hunter

Katherine Hunter was an active member of the MIT community—she touched the lives of many through her time on the MIT Women's Lightweight Crew team and as a member of the Cycling Club, Dance Troupe, and Sigma Kappa Sorority. Kate came to MIT with the hope to make the world a better place and she took on projects toward achieving this goal. One of these took place during the summer after her first year, when she worked on air pollution sensors for a rural community in Chile that relied on wood-burning stoves. She also participated in the MIT Undergraduate Research Opportunities Program, working for the Haystack Group in the Computer Science and Artificial Intelligence Laboratory on a project to develop tools to help new programmers.

Outside of her academics and extracurriculars, the communities and people in Kate's life were immensely important to her; her friends and family knew her to be strong, kind, and funny. Her inner fire shone in her passion for computer science, her commitment to excellence, and her warmth toward others. Kate lived a wonderful life and her memory inspires us as we take our own next steps.

SCHOOL OF ARCHITECTURE AND PLANNING

Bachelor of Science in Architecture

Course IV

Department of Architecture

Jackie Jia Qi Lin

Also with a Major in Course XI

Michelle A. Menkiti

Alicia L. Nimrick

Minor in Materials Science and Engineering

Minor in Computer Science

Caroline Rosenzweig

Qicheng Zhao

Bachelor of Science in Urban Science and Planning with Computer Science

Course XI-6

Department of Urban Studies and Planning

Meital Hadassa Hoffman

Hadrian Merced Hernandez

Bachelor of Science in Art and Design

Course IV-B

Department of Architecture

Zidane Abubakar

Jierui Fang

Minor in Computer Science

Minor in Biomedical Engineering

Effie Jia

Minor in Environment and Sustainability

Bachelor of Science in Planning

Course XI

Department of Urban Studies and Planning

Adriana Maria Jacobsen

Noah Jefferson McDaniel

Minor in Economics

SCHOOL OF ENGINEERING

Bachelor of Science in Engineering as recommended by the Department of Civil and Environmental Engineering

Course 1-ENG

*Department of Civil and
Environmental Engineering*

Foli Giovanni Amaizo

Minor in Computer Science

Darla Earl

Minor in Urban Studies and Planning

Danielle F. Espinosa

Kebar Mosisa Geleta

Viban A. Gonzales

Minor in Earth, Atmospheric, and
Planetary Sciences

Zoe Nicole Lallas

Minor in Urban Studies and Planning

Joseph R. Noszek

Minor in Computer Science

Sierra Nicole Rosenzweig

Minor in Business Analytics
Minor in Theater Arts

Amy L. Vogel

Minor in Urban Studies and Planning

Natalie Woods

Bachelor of Science in Mechanical Engineering

Course II

*Department of Mechanical
Engineering*

John Ayooluwa Adeyeye

Alex Aguilar

Marwa AlAlawi

Amro A. Alshareef

Minor in Computer Science

Brandon A. Aranda Ocampo

Also with a Major in Course XXII-ENG
Minor in Economics

Nicolas Arons

Woonyong Bae

Michael A. Castillo

Minor in Management
(February, 2020)

Mateo Correa Aricapa

Neel K. Das

Amy Q. Fang

Minor in Anthropology
Minor in Design

Ryan Maximiliano Flores

Nicholas A. Fritzinger-Pittman

Johnny Z. Fung

Kiera A. Gavin

Albert P. Go

Devon K. Goetz

Also with a Major in Course IX

Andrew H. Griese

Serena C. Grown-Haeberli

Mitchell L. Guillaume

Minor in Computer Science

Henry M. S. Hanlon

Minor in Energy Studies

Luke S. Hartnett

Minor in Energy Studies

Katherine Ann Henshaw

Also with a Major in Course XXI-M

Iris Elizabeth Hwang

Minor in Computer Science

Ahmad Mujtaba Jebran

Also with a Major in Course VI-2
Minor in Nuclear Science and
Engineering

Caroline A. Jordan

Max I. Kessler

Chiaki Louise Kirby

Jeevesh Konuru

Margaret Ellen Kosten

Also with a Major in Course XXI-M

Benjamin Kurzban

Serena Le

Cole C. Legg

Allison Lenhard

Also with a Major in Course VI-2

Gabriel K. Li

Jennifer Lu

Mason R. Massie

Megan McCandless

Fiona L. McKellar

Melissa Anna Meloche

Lucy E. Milde

Minor in Environment and
Sustainability

Elijah Ballard Miller

Also with a Major in Course XV-3

Harith Morgan

Valerie L. Muldoon

Minor in Energy Studies

Erika P. Mynio

Jeremy R. Noel

Megan E. Ochalek

Sean M. Parks

Also with a Major in Course VIII
(February, 2020)

Ethan B. Perrin

Philip T. Phan

Anya R. Quenon

Minor in Design

Yaseem Rana

Helen Elizabeth Read

Also with a Major in Course XVIII

Jonathan A. Sampson

Minor in Energy Studies

Emily L. Sheng
(February, 2020)

John Joseph Stampfli III

Lisa Tang
Minor in Energy Studies

Srimayi Tenali
Minor in Energy Studies

Carson Isabella Tucker
Minor in Computer Science

Daniel Tortora Wiest
Also with a Major in Course VI-2

Carolynn E. Will
(February, 2020)

Qingmei Wu

Annie Tianci Zhang
Also with a Major in Course IV-B

Kevin Zheng

Lyndie Lee Zollinger

**Bachelor of Science in
Mechanical and Ocean
Engineering**

Course II
*Department of Mechanical
Engineering*

Michelle Kornberg
Minor in Music

Madison S. Pickett

Emilio Ochoa Sison
Also with a Major in Course VI-2

**Bachelor of Science in
Engineering as recommended
by the Department of
Mechanical Engineering**

Course II-A
*Department of Mechanical
Engineering*

Samer A. Awale
Minor in Japanese

Yazan H. Ba'ara

Suji M. Balfe

Maxine D. Beeman
Minor in Theater Arts

Sally Beiruti
(February, 2020)

Emily A. Berzolla

Federico Bescotti
Also with a Major in Course XV-1

Steven C. Browne
Minor in Computer Science

Thi T. Bui

Samuel J. Cantrell
Minor in Business Analytics

Gabriela M. Carrión Rivera
Minor in Management

Hector A. Castillo

Loewen K. Cavill

Jiyoung Chang

Asia Chapman

Claudia Joyce Chen
Also with a Major in Comparative Media
Studies

Ali Rami Daher
(February, 2020)

Naomi Dereje

Maxwell Joshua Drake

Bouke K. Edskes
Minor in Physics

Riley J. Ennis
Minor in Spanish

Gabriel A. Evans

Charlotte M. Folinus

Joaquin Sergio Giraldo Laguna
Minor in Design

Danielle K. Gleason

Remi A. Godinez
Also with a Major in Comparative Media
Studies

Yi Gong

Benjamin R. Gray
(February, 2020)

Jorge Alejandro Hernandez
(February, 2020)

Raudel Hernandez, Jr.

Nathaniel James Huffman

Valerie Beth Hunter

Samuel H. Ihns

Alden T. James
Also with a Major in Course XXI

Caitlin L. Keegan
Minor in Economics
Minor in Business Analytics

Jameson Clark Kief
Minor in Brain and Cognitive Sciences

S. Violet Killy

Zachary Alexander Kopstein

Dheekshita Kumar
Also with a Major in Course VI-2

Cécile Marie-Josée Leclerc
Minor in Biomedical Engineering

Alyssa Li
Minor in Design

Laura Yun Li
Minor in Design

Weishan Liao

Isabelle Y. Liu
Also with a Major in Course VI-1

Mateo Mariscal

Karla Sofía Martínez Román

Elise McCormack-Kuhman

Lance D. Neil, Jr.
Also with a Major in Course VIII

Heather Marie Nelson
Minor in Design

Thomas R. Nelson

Alexandrine Obrand

Rana E. Odabas

Rachel M. O'Grady

Katharine Pan
Minor in Management

Serena Pan
Minor in Science, Technology, and
Society
(September, 2019)

Alexander Rajan Patton

Elizabeth Marie Barna Pedlow

Isaac S. Perper
Also with a Major in Course VI-2
Minor in Economics

Francisco A. Pineda

Felipe Radovitzky

Matthew J. Reeve

Alvaro Rivera

John Farrar Robertson
Minor in Management

Kevin T. Rodriguez
(February, 2020)

George Imre F. Roudebush
(February, 2020)

Abenezzer Samuel

Booker B. Schelhaas
Minor in Spanish

Israel J. Sosa
Minor in History

Dorothy Szymkiewicz

Daniel A. Taylor
Also with a Major in Course XIV-1

Benjamin R. Teitscheid

Gustavo F. Torres

Claire M. Traweek
Minor in Russian and Eurasian Studies

Raymond S. Tse

Ana María Vargas
Minor in Literature
(February, 2020)

Sandra L. Walter
Minor in Music

Tessa Nicole Weiss

Olivia J. Yao

**Bachelor of Science in
Materials Science and
Engineering**

Course III

*Department of Materials Science
and Engineering*

Bilal Azhar
Also with a Major in Course VIII

Maya Rebekah Berlinger

Gloria Un Chyr
Minor in Japanese

Kyle Pearce Dominguez
Minor in Mechanical Engineering

Claire E. Halloran
Minor in Public Policy
Minor in Energy Studies

Maia H. Hannahs
Minor in Physics

Carolyn K. Jons
Minor in Chinese

Talia M. Khan
Also with a Major in Course XXI-M

Omar A. Laris

Cíara Renee Mulcahy

Babatunde O. Ogunlade

Seeta Salgia Patel
Minor in Economics
Minor in Energy Studies

Pooja Donthi Reddy

Caleb Richardson

Kevin Alfredo Santillan Hernandez

Cindy H. Shi
Minor in Polymers and Soft Matter

Vivian Song

Sara Laura Wilson

Michelle Wist

**Bachelor of Science as
recommended by the
Department of Materials
Science and Engineering**

Course III-A

*Department of Materials Science
and Engineering*

Anthony Lu Cheng
Minor in Computer Science
Minor in Energy Studies

Yi Jung Choi
Minor in Political Science

Megan E. Diehl

Connor Dotson
Minor in Finance

Yiran S. He
Also with a Major in Sci., Tech., & Society

Sofia A. Lobo Kemp
Minor in Management

Isaac W. Metcalf
Also with a Major in Course VIII

Thomas Eismann Urquhart
Minor in Public Policy

Hilary Sophia Vogelbaum

**Bachelor of Science in Electrical
Science and Engineering**

Course VI-1

*Department of Electrical
Engineering and Computer Science*

Roderick Sterndale Bayliss III
(February, 2020)

Timothy Justin Cardona
Also with a Major in Course VIII

Benjamin Gus Cary

Ryan J. Catalano

Rhian A. Chavez
Minor in Physics

Michael D. DeTienne
(February, 2020)

Adam B. Estes
Minor in Ancient and Medieval Studies

Emmanuel Havugimana

Savannah N. Inglin

David Mejorado III

Yukimi Morimoto

Elizabeth Katherine Murray
Minor in Applied International Studies

Suzanne O'Meara
(See also M.Eng., Course VI-P)

Alexander D. Reduker

Jeremy C. Sogo
Also with a Major in Course XXI-M

Elijah B. Stanger-Jones

**Bachelor of Science in Electrical
Engineering and Computer
Science**

Course VI-2

*Department of Electrical
Engineering and Computer Science*

Vibha Agarwal
Minor in Biomedical Engineering

Elaheh Ahmadi

Harrison M. Allen

Kika A. Arias

Katharine E. Bacher

Matthew J. Beveridge
Also with a Major in Course XVIII
Minor in Theater Arts

Eric P. Boehlke

Andrea A. Bolivar Matos

Akhilan Boopathy

Connor P. Bradley

Alexis Camacho

Wei Chen
(February, 2020)

Samuel C. Cherna

Peter B. Crocker

Jiaming Cui

Shiloh Serenity Sigrid Curtis

Miles J. Dai

Gian C. Delfin

Alexander Dimitrakakis
Also with a Major in Course XVIII
Minor in Economics

Anis M. Ehsani
Minor in Mathematics

Mahalaxmi Elango

Yu Liang Fang
Also with a Major in Course XVIII
Minor in Economics

Jini A. Gabbidon

Minor in Music
(February, 2020)

Daniel G. Gonzalez Cunningham

Alexander G. Grossman
(See also M.Eng., Course VI-P)

Benjamin D. Gutierrez
Minor in Mechanical Engineering
Minor in Mathematics
(February, 2020)

Chessa N. Hoekstra

Kayla A. Holman
Minor in Mechanical Engineering

Eva H. Hu

Angel Huang

Ruixue Louisa Huang

Vivian Huang

Nada Hussein

Yow Shiuan Hwang
Minor in Energy Studies

Alexa L. Jan
Minor in Spanish

Mumin Jin

Sule Kahraman
Minor in Statistics and Data Science

Natnael K. Kahssay

Wonjune Kang
Minor in Economics
Minor in Mathematics

Tamer Karatekin

Sean J. Kent

Quang Phuc N. Kieu

Grayson C. King
Also with a Major in Course VIII

Alon Z. Kosowsky-Sachs

Paula Lahera
(February, 2020)

Ronit N. Langer
Minor in Public Policy
(February, 2020)

Lukas C. Lao Beyer
(February, 2020)

Pavle Lazarević
Also with a Major in Course XVIII
Minor in Economics

Lesian E. Lengare

Dylan Robert Lewis

Jenny Li

Po-Han Lin
Also with a Major in Course XX
Minor in Biology
Minor in Finance

Patricia J. Lu
Minor in Statistics and Data Science

Kara F. Luo
Also with a Major in Course XVIII
(February, 2020)

Gabriel A. Madonna

Chenkai Mao
Also with a Major in Course VIII
Minor in Mathematics
Minor in Music

Dylan J. Marlborough

Shana Mathew

Francis E. McCann Ramirez

Haripriya P. Mehta
Minor in Music
(See also M.Eng., Course VI-P)

Michele Q. Miao

Daniel R. Monagle

David Morejon
Minor in Economics

Tyler Lawrence Moroso

Noah F. Moroze

Andre J. Mroz

Joshua Eron Noel

Ian A. Palmer

Shannon S. Peng
Minor in Theater Arts

Emanuel Perez

Ignacio Perez Bedoya
Also with a Major in Course VIII
Minor in Mathematics
Minor in Music
(See also M.Eng., Course VI-P)

Ashisha N. Persad

Phoebe K. Piercy

Zachary J. Pitcher

Jacob W. Pritzker

Jessica A. Quaye

Ravi Rahman
Minor in Mathematics
Minor in Management

Raja William Rajčić

Kavya Ravichandran
(See also M.Eng., Course VI-P)

Sushrutha P. Reddy
Minor in Physics
Minor in Mathematics

Premila Ann Rowles

Benjamin G. Rowley

Jonathan Samayoa

Ryan M. Sander
Also with a Major in Course XIV-2

Jeba Sania
Minor in Brain and Cognitive Sciences

Kristin Marie Sheridan
Minor in Spanish

Ryan M. Shubert

Tanya N. Smith
Minor in Japanese

Máiréad M. Solvang

Logan S. Stafford

Sophia E. Struckman

Lydia Y. Sun

Virginia Sun

Jade N. Talley

Luis Terrones-Verástegui

Luis Edgardo Torres Rodríguez

Peter T. Tran
Also with a Major in Course VIII

Elizabeth A. Truchan

Matthew C. Tung

Samuel Lee Ubellacker
Minor in Mechanical Engineering

Francisca Vasconcelos
Also with a Major in Course VIII

Julie Renee Vaughn
Minor in Biomedical Engineering

Héctor Javier Vázquez Martínez

Benjamin T. Wang

Yi Wang

Ethan J. Weber

Quentin Wellens

Daniel A. Whatley

Martin T. Winton

Daniel R. Wrafter
Minor in Mathematics
(February, 2020)

Priscilla Joy Wu

Byron L. Xu

Adil Yusuf

Catherine Yue Zeng

Franklin Zhang
Minor in Mechanical Engineering

Bachelor of Science in Computer Science and Engineering

Course VI-3

*Department of Electrical
Engineering and Computer Science*

Marwa Abdulhai

Madeline L. Abrahams
Minor in Women's and Gender Studies

Kenneth Kofi-Abaka Acquah
Also with a Major in Course XIV-2

Katherine Elizabeth Adams

Shahul Alam
Minor in Mathematics

Max G. Allen II

Alhamzah S. Alnufaili
Minor in Mathematics

Christian Omar Altamirano Modesto
Also with a Major in Course XVIII

Angel G. Alvarez II

David James Amirault
Also with a Major in Course XVIII
(See also M.Eng., Course VI-P)

Andrew R. Antonitis

Md Sanzeed Anwar
Minor in Mathematics

Ersin Arioglu
Minor in Economics

Michael Christopher Arrington

Lily Sierra Bailey

Jamarber Bakalli
Also with a Major in Course XXI-W

Cole S. Baker
Minor in Brain and Cognitive Sciences

Brandon J. Baraban
Minor in Mathematics
Minor in Music
(See also M.Eng., Course VI-P)

Damian S. Barabonkov

Avital Franka Baral
Also with a Major in Course XI

Remy Bassett-Audain

David A. Bau IV
Also with a Major in Course XVIII

Keis Bejgo

Eden Bensaid
Minor in Mathematics

Jackson R. Bernatchez

Mateus Bezrutchka
Also with a Major in Course XVIII
(February, 2020)

Ramakrishnamurthi Bhaskaramurthi
(September, 2019)

Darian Bhatena
Minor in Biomedical Engineering

Darius A. Bopp

Luke R. Bordonaro

Eric Mahathvan Bradford
(February, 2020)

Cameron R. Burnett

Emily Y. Cai
Also with a Major in Course XVIII

Lujing Cen
Minor in Mathematics

Rishabh U. Chandra
Minor in Political Science
Minor in Statistics and Data Science

Hannah Y. Chang

Andrew L. Chen

Baian Chen

Kevin Chen
Minor in Economics

Melanie Ronghsuan Chen
Minor in Mathematics

Leon Cheng

Victor Bo-Wei Cheng

Rowan T. Cheung

Rayden Yongxiang Chia
(February, 2020)

Seri Choi

Won Suk Choi

Jeff T. Chow

Jakub Chudik

Raven Arrow H. Clayborn

Joanna Kim Cohen

Jeremy Charles Cowham

Van R. Coykendall

Robert C. DeLaus

Andrew Thomas Delgadillo

Alenta Demissew
Minor in Mathematics
Minor in Music

Kenneth A. Derek

Maurizio Alfredo Diaz

Tony Ding

Serena N. Do
Minor in Music

Shannon E. Duffy
Minor in Music

Murielle Dunand

Ramya A. Durvasula
Also with a Major in Course XVIII

Joshua A. Elbahrawy

Jonathan E. Esteban Díaz
(February, 2020)

Andrés Fábrega Gerbaud
Minor in Mathematics

Amir Farhat

Selena C. Feng

Juan Angelo Ferrúa Elmúdesi
Also with a Major in Course XV-1

Julia M. Fiksinski
Minor in Music

Diana J. Flores

Nathan Foss
Minor in Mathematics

Sanjay Ganeshan

Jiyang Gao
Also with a Major in Course XVIII
Minor in Japanese

Juan Carlos Garcia
Also with a Major in Course XXI-M
(February, 2020)

Rene A. Garcia

Bamlak Gessesew
Minor in Political Science

Yianni Giannaris

Julian R. Gomez

Nicolás Gómez del Campo

Linda Zhiya Gong
Minor in Mathematics

Armaan V. Gori

Rachel A. Green

Taylor Anne Grey

Jada Rosaria Griffith
Minor in Theater Arts

John Michael Grosen
Minor in Mathematics

Katharina Valentina Gschwind

Ishaan Gulrajani

Adam Robert Gumbardo

Daniel Guo
Also with a Major in Course XVIII
(February, 2020)

Xiaolu Guo

Arjun R. Gupta
(See also M.Eng., Course VI-P)

Deepankar Gupta
Also with a Major in Course XVIII

Jasper F. Haag

Jonathan S. Harvey Buschel
(February, 2020)

Helen M. He

Joshua Ryan Hilke

Cole R. Hoffer

Zachary Nolan Holbrook
Minor in Economics
Minor in Mathematics
(February, 2020)

Daniel I. Hong

Claire C. Hsu

Emily D. Hu
Minor in Music

Stephanie M. Hu
Also with a Major in Course IX

Matthew S. Hutchinson
Minor in Political Science
(See also M.Eng., Course VI-P)

Andrea Jessica Jaba

Satvat Jagwani
Minor in Mathematics

Shreyan Jain
Minor in Literature
(See also M.Eng., Course VI-P)

Soo Jung Jang

Nicholas William Janovetz

Roger Shi Jin
Also with a Major in Course XVIII
Minor in Biology

Benjamin S. Johnson
Minor in Writing

Cory M. Johnson
(February, 2020)

Ivan C. Jutamulia
Minor in Statistics and Data Science

Nicolaas M. Kaashoek

Endrias K. Kahssay

Michael L. Kaminsky

Shreyas Kapur

Sai Veda Pramoda Karnati
Minor in Biomedical Engineering

Madlyn H. Kates
Minor in Art, Culture and Technology

Dain Kim

Jeffrey Ji-Ho Kim

Spencer Michael Kim
(February, 2020)

Joonho Ko

Elorm Kofi Koto
(February, 2020)

Tim Kralj
Minor in Philosophy

Vedaant Paul Kukadia

Michael A. Kulinski

Agni Kumar
Also with a Major in Course XVIII
Minor in Economics
(See also M.Eng., Course VI-P)

Grace Sally Lam

Jason Lam
Also with a Major in Course XV-1
(See also M.Eng., Course VI-P)

Avery B. Lamp
Also with a Major in Course XV-1

Allen J. Lee
(September, 2019)

Jinny Lee
Minor in Japanese

Madison H. Lee

Ariel Skye Levy
Minor in Mathematics

Amanda D. Li
(February, 2020)

Helen Li

Jeffrey Z. Li
(September, 2019)

Lawrence L. Li

Lucy Li

Wilbur Yone Li
Minor in Mechanical Engineering

Yanlin Li
Minor in History

Kun Lin

Xu Lin

Sonja Camilla Lindberg
Minor in French

Cynthia Tianqing Liu
Also with a Major in Course XVIII

Jessica Liu

Nanxi Liu

Tara Liu
Also with a Major in Comparative Media
Studies

Ricardo A. Lopez
(February, 2020)

Sophia Y. Luo
Also with a Major in Course XIV-2
(See also M.Eng., Course VI-P)

Cory J. Lynch
Minor in Japanese

Cowboy R. Lynk

Kevin A. Lyons

Shane H. Lyons

Jingwei Ma

Creshendo A. Maccow
Minor in Management

Loren Rose Maggiore
Minor in Mechanical Engineering

Emily Marie Malison

Christopher Glendon Matthew Mauck

James E. McGaa
Minor in Mathematics

Jasmine C. McGhee
(February, 2020)

Jocelyn C. McGhee
(February, 2020)

Albert N. Menio

Enrico Joseph Micali

Tyler J. Millis

Felipe Monsalve
Also with a Major in Course XIV-2

Jack S. Moore
Minor in Music

Christian Thomas Moroney

Sanjeev R. Murty
Also with a Major in Course XVIII

Urmi Mustafi

Moin Nadeem
(February, 2020)

Ramya Nagarajan

Molly M. Nagele
(February, 2020)

Audace Nakeshimana
Minor in Economics

Ajinkya Kishore Nene
(See also M.Eng., Course VI-P)

Diana Nguyen

Trần Bảo Nguyễn

Juan M. Ochoa Ortiz
Minor in Mathematics

Adelaide Robyn Oh
Also with a Major in Course XVII

Santiago Ospina

Simran K. Pabla
Minor in Mathematics

Gregory M. Pailet
Minor in Mathematics

Tiffany E. Pan
(February, 2020)

Russell Anthony Ramos Pasetes
Also with a Major in Course XXI-M

Sheel V. Patel

McCoy A. Patiño Midaugh

DaMarcus D. Patterson
Also with a Major in Course XVIII

Jason G. Paulos
(See also M.Eng., Course VI-P)

Srijith Sreekumar Poduval
(See also M.Eng., Course VI-P)

Lilia Poteat

Collin L. Potts
Also with a Major in Course XVIII

Arul Ray Prasad
Also with a Major in Course XVIII

Neha Prasad
Also with a Major in Course XVIII

Tiancheng Qin
Also with a Major in Course XVIII
Minor in Music

Sunayana Rane
(See also M.Eng., Course VI-P)

Christopher James Reilly

Anthony J. Rice

Yaateh H. Richardson
Minor in Music

Humberto Riverón Valdés

Nicolas H. Rodriguez

Xavier Roman

Isak Romero

Brennan H. Rosales

Linnea J. Rylander

Roshni Sahoo
Also with a Major in Course XVIII
Minor in Literature

Steven G. Salvas

Brent C. Samuels

Nilai M. Sarda
Minor in Mathematics
(See also M.Eng., Course VI-P)

Sarbari Sarkar
Minor in Statistics and Data Science
(See also M.Eng., Course VI-P)

Lauren Schexnayder
Also with a Major in Course IX
Minor in Music

Gabriel Joseph Schneider

Theodoros Sechopoulos
Minor in Mathematics

Jason Lee Seibel

Kliment Serafimov

Vlad Şeremet

Karunya Anantha Sethuraman

Rishi Nilesh Shah
Minor in Brain and Cognitive Sciences
Minor in Political Science

Ellen Victoria Shea
Minor in Japanese

Sean Shi

Luke Shimanuki
Also with a Major in Course IX
Minor in Mathematics
(See also M.Eng., Course VI-P)

Oleksandr Shumaiev
Also with a Major in Course VIII
Minor in Mathematics
Minor in Statistics and Data Science

Michael Sol Silver

Sanja Simonovikj

Prachi Sinha

Arlene Elizabeth Siswanto
Minor in Mathematics

Christabel J. Sitienei
(February, 2020)

Cel Andromeda Skeggs

Christine Soh
Also with a Major in Course XXIV-2

Anna L. Song

Trevor Spreadbury
Minor in Mathematics

Aditi H. Srinivasan

Colton G. Stearns

Patroklos N. Stefanou

Mariia Stepaniuk

Rex A. Stockham II

Aramis A. Subee

Daniel Xu-Feng Sun
Also with a Major in Course XVIII

Kevin Sun

Rishi S. Sundaresan
(See also M.Eng., Course VI-P)

Arman J. Talkar

Michelle Tan
Minor in Music

Kentaro Tanaka
(February, 2020)

Ayobamidale T. Taylor

Nicole Dawson Thumma

Sunny Tian
(See also M.Eng., Course VI-P)

Steven R. Timberman

Charles S. Tonneslan

Madelyn E. Torres

Carlos D. Treviño

Andy Tso

Minor in Statistics and Data Science

Tenzin S. Ukyab

Minor in Philosophy

Prithvi N. Undavalli

Mayukha Suhasini Vadari

Abhiti G. Vaish

Minor in Economics

Miguel Vega

Rohil Verma

Stuti Vishwabhan

Suchan Vivatsethachai

Also with a Major in Course XVIII
Minor in Statistics and Data Science
(February, 2020)

Robert Mugisha Vunabandi

Annie Wagner

(February, 2020)

Austin Taylor Wang

(See also M.Eng., Course VI-P)

Brice Libai Wang

Charleen Wang

Crystal Wang

Minor in Mathematics

Daniel A. Wang

Meryl S. Wang

Rose Elizabeth Wang

Xiaoyi Wang

Minor in Economics
Minor in Mathematics

Yingni Wang

Also with a Major in Course XVIII
Minor in Finance

Chase Jervis Joseph Warren

Mattie F. Wasiak

(See also M.Eng., Course VI-P)

Ryan L. Welch

(February, 2020)

Erica X. Weng

Jesse Alan Widner

Christien S. Williams

Matthew E. Woicik

Eyob W. Woldeghebriel

Minor in Brain and Cognitive Sciences

Priscilla Y. Wong

(February, 2020)

Alice Selina Wu

Julia Wu

(February, 2020)

Nanette Wu

Also with a Major in Course XXI-M

Justin Hu Xiang

Minor in Finance

Brian B. Xie

Adela Y. Yang

Also with a Major in Course XVIII

Alexander Y. Yang

Katherine Shulin Yang

Minor in Comparative Media Studies

Stella Lan Yang

(February, 2020)

Su Yang

Tiffany Yang

Yejin You

Also with a Major in Course XVIII

Yuancheng Yu

Also with a Major in Course XVIII

Dillon Zhang

Minor in Theater Arts

Elaine Zhang

Emily T. Zhang

Minor in Mechanical Engineering

Madeline Manlin Zhang

(February, 2020)

Ruowang Zhang

Zhaoyuan Zhang

(February, 2020)

Tianlin Zheng

Minor in Finance

Jessica F. Zhu

Yunyi Zhu

Minor in Design

Yuqing Zhu

Also with a Major in Course XVIII
Minor in Economics

**Bachelor of Science in
Computer Science and
Molecular Biology**

Course VI-7

*Department of Electrical
Engineering and Computer Science*

Emma A. Bernstein

Minor in Ancient and Medieval Studies

Kristy Amé Carpenter

Joshua T. Derrick

Also with a Major in Course XXI-W

Camille X. Devoe

Barış Can Ekim

Also with a Major in Course XVIII

Karen Gu

Minor in Linguistics
Minor in Statistics and Data Science

Fatima M. Gunter-Rahman

Kendyll Nicole Hicks

Eileen Hu

Sam Seunghun Lee

(February, 2020)

Aman S. Patel

Minor in Statistics and Data Science
(February, 2020)

William Phu

Montana F. Reilly

Minor in Literature

Venkatesh S. Sivaraman

Minor in Music

Cassia Bethany Wang

Minor in Music

Lawrence C. Wong
Minor in Statistics and Data Science

Kelly Zhang
Minor in Music

**Bachelor of Science in
Computation and Cognition**
Course VI-9
*Department of Electrical
Engineering and Computer Science*

Melat R. Anteneh

Mariana Gomez del Campo

Hang Le Thi Nguyet

Steven C. Speck

**Bachelor of Science in
Computer Science, Economics,
and Data Science**
Course VI-14
*Department of Electrical
Engineering and Computer Science*

Sarah Racquel Antiles
Minor in Finance

Ariel Brito

Julia Castiglia
Minor in Business Analytics

Amanuel Gebregziabhere Gidey
Minor in Business Analytics

Benjamin Philip Gruber

Tianyun Gu

Emily Minsoh Kim

Stephanie D. Li
Minor in Music

Elton Lin
Minor in Mathematics

Thee Ngamsangrat

**Adedoyin Adenike Abimbola Olateru-
Olagbegi**

Veronica J. Ripper

Albert D. Roberts III

Maya Leung Roy
Minor in Mathematics

Cindy Wenhui Si
Minor in Anthropology

Lilia R. Staszal

Kenny JH Yang

**Bachelor of Science in
Chemical Engineering**
Course X
*Department of Chemical
Engineering*

James Cao

Connor Chung

Juan Sebastian Esquivel Gutierrez

Michal L. Gala
Minor in Computer Science

Conrad E. Goffinet
Minor in Economics
Minor in Computer Science

Kristina Anne Greenwood

Kaitlyn Arminda Hennacy

Kedi Hu
Also with a Major in Course IV

Kaleigh Elizabeth Hunt
Also with a Major in Course XXI-G

Kyle B. C. James

Mofoluwaso S. Jebutu

Kelvin Kyle Jones
Minor in Economics

Hannah J. Loizzo
Minor in French

Ziad Mansour
Also with a Major in Course XVIII

Jennifer Chibuanuri Nwenyi
Minor in Materials Science and
Engineering

Watchara Pep Ouysinprasert
Minor in Finance

Crystal Pham
Minor in Business Analytics

Christian Antonio Sanchez
(February, 2020)

Daniel Shipchandler
(February, 2020)

David Linwood Silverstein
Minor in Economics

Philip Khiem Tran

Johan Steven Villanueva Gutierrez

Junyu Yang
Also with a Major in Course V

Liruonong Zhang
Minor in Management

**Bachelor of Science in
Chemical-Biological
Engineering**
Course X-B
*Department of Chemical
Engineering*

Jenna K. Ahn
Minor in Computer Science

Delaney Marie Burns
Also with a Major in Course VII

Cindy Chen

Xingyu Chen

Dana B. Dabbousi
Minor in Biology
Minor in Entrepreneurship & Innovation

Samantha Johanna Fletcher
Minor in Literature

Fernando A. Juarez

David A. Poberejsky
Also with a Major in Course VI-7

Gianna Yvonne Reza-Ortega
Also with a Major in Course VII

Audrey Beth Ricks

Crystal Y. Tsui
Also with a Major in Course VII

**Bachelor of Science in
Engineering as recommended
by the Department of Chemical
Engineering**

Course X-ENG

*Department of Chemical
Engineering*

Jordan L. Alford

Also with a Major in Course XXI-G

Nathanael Assefa

Also with a Major in Course XVIII
Minor in Literature

Ashton St. Clair Dacon

Minor in Computer Science

Stephen Anderson Duncan

Anjolaoluwa Adebola Fayemi

Minor in Theater Arts

Julia L. Pallone

Elyse A. Paneral

**Bachelor of Science in
Aerospace Engineering**

Course XVI

*Department of Aeronautics and
Astronautics*

Marcus Salvatore Abate

Samuel Patrick Austin

Brent Alberto Avery

Minor in Economics

Mary Katherine Brewer

Minor in History

Humberto L. Caldelas II

Matthew C. Campbell

Minor in Japanese

Kevin C. Carlson

Minor in Political Science

Kathleen M. Clark

Jakob Edward Coray

Mary Dahl

Minor in Writing

Jad A. Elmourad

Also with a Major in Course VIII
Minor in Theater Arts

Thomas Edward Finn

Alexandra Mae Forsey-Smerek

Aigneis Ambrose Frey

Carlos Rafael Garcia

(February, 2020)

Madeline K. Garcia

Timothy J. Glinski

Minor in Japanese

Sarah Margaret Gonzalez

Minor in Literature

Kelton C. Hardrict, Jr.

Timmy A. Hussain

Minor in Management

Jim Matthew Koldada

Raul Alexander Largaespada

Also with a Major in Course VI-2

Mia J. LaRocca

Minor in Music

Jonathan Edwards Ledet

David Raymond Mueller

Also with a Major in Course VI-2
(February, 2020)

Ethan T. Munden

Alexander I. Peraire-Bueno

Also with a Major in Course VI-2

Daniel Nathan Pickard

Minor in Mathematics

Thomas S. Rick

Minor in Political Science

William Beau Rideout

(September, 2019)

Felipe Roz Barscevicus

Tina Tran

Michelle Xu

Minor in Japanese

José Miguel Zavala González

**Bachelor of Science in
Engineering as recommended
by the Department of
Aeronautics and Astronautics**

Course XVI-ENG

*Department of Aeronautics and
Astronautics*

TojumiOluwa Sijibomi Adegboyega

Nicholas L. Bain

Diego Nicolas Barea

Alex Chat Tung Choi

Hunter Stan Fields

Minor in Economics
Minor in Finance

Sean A.J. Gloumeau

Christopher L. Hughes

Also with a Major in Course VI-2

Abigail J. Lee

Minor in Computer Science

Jacqueline F. Liao

Minor in Computer Science

Gabriel B. Margolis

Also with a Major in Course VI-2

Claire M. McGinnity

Kyle Jared Morgenstein

Also with a Major in Course XII

Mohammed N. Nasir

Juan Alejandro Salazar

Also with a Major in Course VI-1

Ryan Riley Scerbo

Madeleine R. Schroeder

Tesla Wells

Joanna A. Zhang

**Bachelor of Science in
Biological Engineering**

Course XX

*Department of Biological
Engineering*

Masrur S. Alam

Andres D. Alvarado
Minor in Japanese

Andrés Álvarez
Minor in Business Analytics

Adrianna E. Amaro
Minor in Theater Arts

Christina K. Bray
Minor in Literature

Shin Chang
Minor in Music
Minor in Design

Sharon J. Chen
Minor in Economics
(February, 2020)

Rebekah M. Costello
Minor in Political Science

Izumi C. de los Rios Kobara

Linyue Fan
Minor in Computer Science

Joseph S. Faraguna

Andrea Garmilla

Ning Guan
Minor in Economics
Minor in Mathematics

Ayse Angela M Guvenilir
Minor in Writing

Aya Grace Halawi

Bárbarah Cavalcanti Heimer
Minor in Computer Science

Shea Annelise Landeene
Minor in Brain and Cognitive Sciences

Alice Lin
Also with a Major in Course IX

Leanne Lin
Minor in Mathematics

Sally Liu

Abigail V. McGee

Marissa L. McPhillips
Minor in Writing

Jenna Bryn Melanson
Minor in Literature

Santiago Munoz Perez

Nia O. Myrie

Domenic N. Narducci

Cathy Phan Nguyen
Minor in Spanish

Benjamin J. Oberlton

Athena I. Ortega

Kristen Elizabeth Overly

Cecilia Padilla

Julia L. Pei

Giselle A. Peng

Zion Ruth Perry

William B. Pinney III

Imon Rahaman
Minor in Mathematics

Divya Ravinder

Emily S. Ryeom

Michelle N. Sanchez

Natasha Marie Stark

Yotaro Sueoka
Also with a Major in Course IX
Minor in Physics
Minor in Computer Science

Melody C. Tan

Steven D. Truong
Also with a Major in Course XXI-W

Kayla Nicole Vodehnal
Minor in Brain and Cognitive Sciences

Nina Wang

Alexandra Elizabeth Werner
Minor in Science, Technology, and
Society

Cydney Alexandra Wong
Minor in Women's and Gender Studies

Nova Xu
Minor in Music

Yue Zhong

**Bachelor of Science in Nuclear
Science and Engineering**
Course XXII

*Department of Nuclear Science and
Engineering*

Alexandru D. Calburean
(February, 2020)

Eva Morgan Lisowski

Warner A. McGhee
Minor in Mechanical Engineering

Jacob N. Miske
Also with a Major in Course II-A
Minor in Energy Studies

Thomas John Strei III
Minor in Public Policy

**Bachelor of Science in
Engineering as recommended
by the Department of Nuclear
Science and Engineering**
Course XXII-ENG

*Department of Nuclear Science and
Engineering*

Colt S. Hermesch
Minor in Economics

Benjamin R. Sheffer
Also with a Major in Course VIII

SCHOOL OF HUMANITIES, ARTS, AND SOCIAL SCIENCES

Bachelor of Science in Economics

Course XIV-1
Department of Economics

Michelle A. Bai
Also with a Major in Course XVII
Minor in Energy Studies

Hanna W. Kherzai
Minor in Writing

Sydney A. LaPorte

Ignacio Ortega Castineiras
Minor in Mechanical Engineering
Minor in Energy Studies

Spencer D. Pantoja
Also with a Major in Course XVIII

Jack Philip Abraham Spira

Hin Nok Oscar Suen

Bachelor of Science in Mathematical Economics

Course XIV-2
Department of Economics

Tina Pavlovich
Minor in Spanish
(February, 2020)

Bachelor of Science in Political Science

Course XVII
Department of Political Science

Frances Caroline Parker-Hale
Minor in Biology

Sarah Benette Powazek
(February, 2020)

Kaitlin Aria Tucci
Also with a Major in Course XV-1

Bachelor of Science in Anthropology

Course XXI-A
Program in Anthropology

Kayla A. Tabb

Bachelor of Science in Global Studies and Languages

Course XXI-G
Global Studies and Languages

Sarah Margaret Owen

Bachelor of Science in Writing

Course XXI-W
Program in Writing and Humanistic Studies

Hannah Michaye Ledford

Bachelor of Science in Humanities and Engineering

Course XXI-E
Department of Humanities

Allan Gelman

Danny Gelman

Emily Elliott Grey

Rachel N. Groberman

Robert C. Henning

Katherine Gar-Ling Yee

Bachelor of Science in Humanities and Science

Course XXI-S
Department of Humanities

Karina I. Hinojosa

Jamison Rich

Bachelor of Science in Philosophy

Course XXIV-1
Department of Linguistics and Philosophy

Brian C. Bates

Joseph D. Edwards

Matisse Catherine Peppet
Also with a Major in Course XVIII

Bachelor of Science in Linguistics and Philosophy

Course XXIV-2
Department of Linguistics and Philosophy

Margarita Misirpashayeva
Also with a Major in Course XVIII-C

Bachelor of Science in Comparative Media Studies

Program in Comparative Media Studies

Joanna J. Gerr
Also with a Major in Course VI-3

Anthony Hernandez
Also with a Major in Course VI-3

Brianna E. Igbinosun
Minor in Computer Science

Jessica Y. Tang
Minor in Computer Science

SLOAN SCHOOL OF MANAGEMENT

Bachelor of Science in Management

Course XV-1
Sloan School of Management

Mati K. Alemayehu
Minor in Computer Science

Massimo Augustine

Melissa Cao
Minor in Music

Marielle J. Folan

Luis Hong Sanchez

Maël J. Le Scouëzec

Theresa T. Lo

Andrew Christopher Lu
Also with a Major in Course XIV-1

Nicholas R. Martin
(February, 2020)

Nwanacho U. Nwana
Also with a Major in Course XVII

Kevin Robert Petrovič

Rebecca Hyun-ji Shin
Also with a Major in Course XIV-1

Marissa Steinmetz
(February, 2020)

Christopher M. Washington

Alice Zhou
Minor in Biology

Bachelor of Science in Business Analytics

Course XV-2
Sloan School of Management

Aidan James Einloth
Minor in Political Science

Liam D. Fenlon
Minor in French

Charles J. Nodus
Minor in Computer Science

Ethan Adam Oak

Willem Laurens Reerink
(February, 2020)

Ricardo D. Villarreal

Aidan N. Westley
Minor in Computer Science

Bachelor of Science in Finance

Course XV-3
Sloan School of Management

Thomas Insuh Cho

Kelly A. Craig
Minor in Political Science
(September, 2019)

Aubrey T. Grimshaw
Also with a Major in Course XIV-2

Alexis N. Groark
Also with a Major in Course II-A

Brandon E. Kramer

Ato Kwapong
Minor in Computer Science

Ming Liu
Also with a Major in Course VII-A
Minor in Political Science

Vick Cheung Liu

John Conover Reece III

Simran A. Vaidya
Minor in Spanish

Joseph R. Vasile
Also with a Major in Course XIV-1

Carol Sophia Wu
Minor in Statistics and Data Science

Gabriella Maria Zak
Minor in Mathematics
Minor in Literature

SCHOOL OF SCIENCE

Bachelor of Science in Chemistry

Course V
Department of Chemistry

Alexander Igor Alabugin

Antonio M. Buscemi
(February, 2020)

Gabriela Cazares
Minor in Environment and Sustainability

Erica Jillian Flear
Minor in Ancient and Medieval Studies

Aria M. Fodness

Darnell Scott Granberry, Jr.
Also with a Major in Course VI-3

Erin Elizabeth Grela
Also with a Major in Course XIV-1

Christopher Gerald Hillenbrand
Also with a Major in Course XVIII
Minor in Physics
(February, 2020)

Priscilla Liow
Minor in Mathematics
Minor in Music

Elyse Plachinski

Rebecca Ann Sloan

Ruth Rosegrant Tweedy
Also with a Major in Course XII

Bachelor of Science in Chemistry and Biology

Course V-7
Department of Chemistry

Miguel Angel Aguilar Ramos

Karen V. Camacho
Minor in Russian and Eurasian Studies

Valentina Y. De La Rosa
(February, 2020)

Madeleine Celia Kline
Minor in Spanish

Chun-Ting Liu
(February, 2020)

Lynn Yuying Liu
Minor in Spanish

Tafara L. Mashanda

Claire M. O'Callaghan

Samuel A. Solomon
Also with a Major in Course VIII
Minor in Nuclear Science and Engineering

Leon Ho Yim

Sherry X. Zhou
Minor in French

Bachelor of Science in Biology Course VII *Department of Biology*

Muskaan Aggarwal
Minor in Ancient and Medieval Studies

Brigid Mary Bane
Minor in Chemistry

Crystal Tin-Tin Chang

Julia Hayoung Cho

Lauren C. Clamon
Also with a Major in Course XXI-L

Christopher John Copeland

Mariam E. Dogar
Minor in Urban Studies and Planning

Joseph Raymund Baniquett Espiritu

Trevor E. Ewald

Hayley M. Flores
Minor in Public Policy

Apolonia Gardner
Also with a Major in Course IX
Minor in Chemistry
Minor in Biomedical Engineering

Cynthia A. Harris

Allison Catherine Huske
Minor in Literature

Swarna Kushmanda Anjanita Jeewajee

Grace Yukiko Kuffner
Also with a Major in Course XXI-M

Evan Remy Lang

Laura Z. Liao
Minor in Women's and Gender Studies

Kyra V. Majors

Leah K. McKinney
Minor in Ancient and Medieval Studies

Maia Mesyngier
Minor in Biomedical Engineering

Hayden G. Niederreiter
Minor in Business Analytics

Taiyler Renae Nunn

Amanda P. Putnam
Minor in Public Policy

Anan Quan

Rachel R. Rock
(February, 2020)

Yhiedania Santiago

J. L. Shelly
Minor in Entrepreneurship & Innovation

Candace Tong-Li
Minor in Brain and Cognitive Sciences
Minor in Literature

Edward Joseph Weldon IV

Fei Yu
(February, 2020)

Bachelor of Science in Physics Course VIII *Department of Physics*

Ibrahim M. Alnami
(September, 2019)

Vilhelm Lee Andersen Woltz
Also with a Major in Course VI-2
Minor in Mathematics

Anuj Apte
Also with a Major in Course XXIV-1
Minor in Mathematics
Minor in Music

Siranush Babakhanova
Minor in Computer Science

Emma K. Batson
Also with a Major in Course VI-1

Jacob Joseph Benoit
Minor in Finance

Anoushka R. Bose
Also with a Major in Course XVII

Jonathon Steffon Brown

Dylan Matias Carranza
Minor in Mathematics
Minor in Computer Science

Eric R. Chen
Also with a Major in Course VI-2

Allen Cheng
Also with a Major in Course XIV-2

Tatsuya Warren Daniel
Minor in Mathematics
Minor in German

James Barrie Drabble

Brandon Epstein
Also with a Major in Course XVIII

Hannah Margaret Field
Also with a Major in Course VI-2

Sophie E. Fisher

Shane P. Fitzgerald

Eleanor Graham

Grant Tyler Gregus

Tyndale D. Hannan
Minor in German

Alexandra G. Hanselman
Minor in Astronomy

Elizabeth M. Harkavy
Also with a Major in Course VI-3

Jesus Herrera
Also with a Major in Course XVIII

Clyde E. Huibregtse
Also with a Major in Course XVIII-C

Hector L. Iglesias
Minor in Literature

Hikari Iwasaki
Also with a Major in Course XVIII
Minor in Chemistry
Minor in Computer Science

Matthew L. Johnston
Minor in Computer Science

Malvika R. Joshi
Also with a Major in Course VI-3
Minor in Mathematics

Sloan W. Kanaski
Also with a Major in Course XVIII

Robert Q. Kao

Ji Seok Kim
Minor in Music
Minor in Computer Science

John P. Kinney IV
Minor in Linguistics

Talya Klinger
Minor in Mathematics

Daniel A. Korsun
Minor in Nuclear Science and
Engineering

Megan C. Kralj

Jay Laone

Kathryn Anna Lawrence

Ivy Li
Also with a Major in Course XXI-L

Kevin Limanta

Ting-Chun Lin
Also with a Major in Course XVIII
(February, 2020)

Vincent Liu

Federico Llarena III
Also with a Major in Course XIV-2
Minor in Mathematics

Adrian Leonardo Meza
Also with a Major in Course VI-2

Brian A. Mills
Minor in Japanese

Jason T. Necaise
Also with a Major in Course XVIII

Eber Nolasco-Martinez

Nolan Peard
Also with a Major in Course XXI-M

Isabelle Yan Phinney

Ryan C. Przybocki

Jane C. Reed
Also with a Major in Course XXII

William W. Roberts
Also with a Major in Course XVIII

Eduardo E. Sanchez, Jr.
(February, 2020)

Elina Maria Sendonaris

Adrian I. Silva

Cecilia Elena Siqueiros
Minor in Music

Benjamin A. Sockol
Also with a Major in Course XVIII

Kristen Marie Surrao
Minor in Mathematics
Minor in Computer Science

Bahrudin Trbalić
Also with a Major in Course VI-1

Shiaoching Tse

Gustavo A. Velez
Also with a Major in Course XVI-ENG

Vanessa W. Wong
Also with a Major in Course XIV-1

Laurel M. Wright

Qingyue Wu
Also with a Major in Course XVIII-C

Michelle Deng Xu
Also with a Major in Course XVIII

Megan Adrienne Yamoah
Also with a Major in Course VI-1

Josephine J. Yu
Also with a Major in Course XVIII

Jovan Y. Zhang

Bachelor of Science in Brain and Cognitive Sciences

Course IX

Department of Brain and Cognitive Sciences

Skylar J. Brooks

Merryn C. Daniel
Minor in Biology

Gretchen M. Eggers
Also with a Major in Course VI-3

Jingxuan Fan

Andrea Patricia Garcia

Tarun Vinod Kamath
Minor in Biomedical Engineering
(See also M.Eng., Course XX-P)

Ohyoon Kwon
Also with a Major in Course XXIV-1

G. R. Marvez

Maedeh Marzoughi
(February, 2020)

Briana Rose McRae
Minor in Computer Science

Habiba Noamany

Mercedes Melissa Clarke Riley
Also with a Major in Course XXIV-1
Minor in Business Analytics

Ashti M. Shah

Sara Muluneh Sime
Minor in Anthropology

Cailey Alexandra Irion Talbot
Minor in Anthropology

Aiyedun J. Uzamere

Eke M. Wokocho, Jr.

Chun-Chen Yao
Minor in Biomedical Engineering

Vivian Zhou
Minor in Biology
Minor in Women's and Gender Studies

Lena Li Zhu
Also with a Major in null
Minor in Biomedical Engineering

Bachelor of Science in Earth, Atmospheric, and Planetary Sciences

Course XII

Department of Earth, Atmospheric, and Planetary Sciences

Andrew T. Cummings
Also with a Major in Course VIII

Andrew J. Iversen
Minor in Physics

Charlotte L. Minsky
Also with a Major in Course XXI-E

Matthew R. Rushlow

Janice Shiu
Minor in Statistics and Data Science

Bachelor of Science in Mathematics

Course XVIII

Department of Mathematics

Al Baraa Abd Aldaim
Also with a Major in Course XXIV-1

Simon C. Alford
Also with a Major in Course VI-3

Fadi Atieh
Also with a Major in Course VI-3

Kevin William Beuchot Castellanos

Henrik J. Boecken

Emily S. Cheng
Also with a Major in Course VI-3

Anlong Chua

Sanath K. Devalapurkar
Minor in Physics

Matthew V. Ellison

Alonso Espinosa Domínguez

Maxwell K. Fishelson

Marisa R. Gaetz
Minor in Philosophy

Luis E. Garcia

Meghal Gupta

Kit Ives Peter Haines

Elizabeth J. Han

Bernardo A. Hernández Adame

Calvin Hsu
Also with a Major in Course VI-3
Minor in Economics

Kathryn Anna Jiang
Also with a Major in Course XXI-L

Menachem Mendel Keller
Also with a Major in Course XXIV-1
(February, 2020)

Ashley Hyowon Kim
Also with a Major in Course VI-2

Aleksa Konstantinov

Ama A. Koranteng
(February, 2020)

Olivia Graylen Koslow
Minor in Computer Science

Michael Kural

Timothy K. Leplae-Arthur

Justin K. Lim
Also with a Major in Course VI-3

Allen X. Liu
(February, 2020)

Eric M. Lu
Also with a Major in Course VI-3

Marta Manzin
Minor in Literature
Minor in Computer Science
(February, 2020)

Olga Medrano Martín del Campo
Minor in Computer Science

Lingjie Mei
Also with a Major in Course VI-3

Peter H. Mizes
Minor in Computer Science

Jonathan Erik Monahemi
Also with a Major in Course XV-2
Minor in Economics

Hamed Mounla
Also with a Major in Course XIV-1

Eshaan Nichani
Also with a Major in Course VI-3

Jack D. Novak
Also with a Major in Course XV-2

Zachary A. Obsniuk
Also with a Major in Course XXI-M

Yixuan Pei
Also with a Major in Course VI-3

Enrique Javier Pérez Serra
Also with a Major in Course XIV-1
Minor in Statistics and Data Science

Alok R. Puranik
Also with a Major in Course VI-3

Lara I. Rakocevic
Also with a Major in Course VI-3
(February, 2020)

Raimundo Xavier Rodriguez
Also with a Major in Course IX

Diego Alonso Roque Montoya

Ahaan S. Rungta
(February, 2020)

Ashwin Sah
(February, 2020)

Maya R. Sankar
Also with a Major in Course VI-3
Minor in Music

Mehtaab Sawhney
Minor in Computer Science
(February, 2020)

Abraham Shalom Mezrahi
Also with a Major in Course VI-14
Minor in Business Analytics

Hunter A. Smutney
Minor in Physics

Douglas John Stryker

Claire S. Tang
Also with a Major in Course VI-3

Jessica Sarah Titensky
Minor in Physics
Minor in Computer Science
(February, 2020)

Jared Anthony Tramontano

Margaret Katherine Trautner
Minor in Mechanical Engineering
Minor in Computer Science

Robert C. Upton IV
Also with a Major in Course XIV-1

Chase P. Vogeli
Minor in German

Tony Tong Wang
Also with a Major in Course VI-3

Matthew Barnert Weiss
Also with a Major in Course VI-14

Richard Yi
Also with a Major in Course VIII

Kate E. Yuan
Minor in Computer Science
(February, 2020)

Chaim Avram Bettigole Zeff

Julie Zhang
Minor in Economics
(February, 2020)

Ziqi Zhou
Minor in Biomedical Engineering

Taras Zhylenko
Also with a Major in Course VI-3
Minor in Statistics and Data Science

Bachelor of Science in
Mathematics with Computer
Science
Course XVIII-C
Department of Mathematics

Hannah S. Chen
Minor in Brain and Cognitive Sciences

John David DiCarlo

Matthew Farejowicz

Juan D. Gil Sanhueza

Yaakov A. Helman
Minor in Economics

Alexander Thomson Leighton

Ian James McNally

Manuel A. Montesino

Talia E. Pelts

Georgia U. Phillips
Minor in Economics

Aleksejs Popovs
Also with a Major in Course XXIV-1

Chad H. Qian
Also with a Major in Course XIV-1
Minor in Political Science

Deon Jordan Richmond
Minor in Japanese

Sarah G. Von Ahn
Minor in Statistics and Data Science

Amanda Fei Wang
Also with a Major in Course XV-2
(February, 2020)

Sarah Anqing Wu
Also with a Major in Course IX

Stephanie Louie Yuen
Minor in Finance

Lillian Zhang

Robert Jeffery Zollinger
Minor in Music

Jennifer Zou
Also with a Major in Course XIV-1
(February, 2020)

SCHOOL OF ARCHITECTURE AND PLANNING

Master of Architecture

Course IV

Department of Architecture

Alexandre Beaudouin-Mackay

(February, 2020)

A New Way of Play: The Forms and Functions of Participatory Design and Critical Pedagogies

Gustavo Carlos Casaldud Rivera

(February, 2020)

Terminal: A Public Archive for Habana

Stratton Coffman

(February, 2020)

Bagging

Boliang Du

(February, 2020)

Sichuan Fog -- Architecture and Moisture

Jaya Alba Eyzaguirre

(February, 2020)

Objects of Home

Marlena B. Fauer

(February, 2020)

Under Observation: A Site of Totality in Uncertain Futures

Dalma Földesi

(February, 2020)

More or Less Exact

Shepard Anton Halsey

(See also S.M., Real Estate Development)

Cyclic Matter(s) in Architecture

Gabrielle Joyce Heffernan

(February, 2020)

Responses to the Everyday: Reliefs from the Private

Trevor Nathaniel Herman Hilker

(February, 2020)

Other Stories

Stephan Michael Hernandez

(February, 2020)

Making Kin: Landscape, Material, and Senses

Angeline Claire Jacques

(February, 2020)

Mission 2066: A National Park for the Anthropocene

Dennis Steven Kosovac

Untitled, Ambiguity, and Architecture

Thuy Thanh Le

(February, 2020)

Falsework: Staging Construction

Hyerin Lee

Weathering the Storms: New Suburban Typology for Coastal Cities Through a Case Study on Winthrop, MA

Catherine Anabella Lie

Sourdough Architecture

Kevin Allen Marblestone

(February, 2020)

Pedagogy of the Fourth Wall: Toward a Time-Based Architecture

Aaron Powers

(February, 2020)

Stimulation, Speculation, Simulation: The Architecture of the Captured City That the Corporation Gave Us

Valeria Rivera Deneke

(February, 2020)

One Degree Removed: The Last Carnival of Venice

Jung In Seo

(February, 2020)

More or Less Exact

Taeseop Shin

(February, 2020)

Making Kin: Landscape, Material, and Senses

Cristina Solis

(February, 2020)

Tremulous Lines, the Alternative History of a Site Exception

Cheyenne Jacqueline Louis

Vandevoorde

(February, 2020)

Into The Abstract

Sarah Elizabeth Wagner

(February, 2020)

A New Way of Play: The Forms and Functions of Participatory Design and Critical Pedagogies

Patrick Alexander Weber

Don't Be A Tourist! - Imagining a Post-Touristification Berlin

Emily Mary Whitbeck

(February, 2020)

Pedagogy of the Fourth Wall: Toward a Time-Based Architecture

Chaoyun Wu

(February, 2020)

Machine Learning in Housing Design: Exploration of Generative Adversarial Network in Site Plan/Floorplan Generation

Fei Xu

(See also S.M., Real Estate Development)

From Seed to Sale

Shane Xue Ying Zhang

(February, 2020)

(See also S.M., Real Estate Development) Value in Design? Features, Pricing, and Design Strategies

Zhuqing Zhang

(February, 2020)

Komorebi 木漏れ日 Embedding Dappled Sunlight in the Built Environment

Master of Science in Architecture Studies

Course IV

Department of Architecture

Nawaf Bin Abdulaziz Bin Ayyaf Al-Mogren

Diriyah Narrated by its Built Environment: The Urban Development of the First Saudi Capital (1744-1818)

Nathaniel Joseph Elberfeld

Computing Embodied Effort in the Constructible Design Space of Bobbin Lace

Joud Enaam Mounir El-Mabsout

Contested Valleys, Reclaiming the Common Landscape in Bisri, Lebanon

Rodrigo Escandón Cesarman

How to Read the Self-building Manual: Houses, Self-builders, and Experts in Mexico

María Esteban Casañas

Artificial Perceptions: Biases, Fictionalities, and Signifiers.

Melissa Gutiérrez Soto

Manual for Hospitable Cities: Learning from Migration

Rachel Pei Hirsch

Building Mughal Burhanpur

Yichen Jia

(See also S.M., Course VI)
Constructing Virtual Reality Exhibitions with Multimodal Interactions

Sea Hoon Kim

(See also S.M., Real Estate Development)
Technology-Enabled Infrastructure Analysis of its Economics, Public Benefits and Urban Experience

Meng-Fu Kuo

Urbanism Across: New Urban Ground in Taipei's Old City Core

Lukas Lesina Debiasi

(See also S.M., Course VI)
Illuminating Preference: Rethinking Colored Lighting in Workplace Environments

Qianhui Liang

(February, 2020)
(See also S.M., Course VI)
Machine Mediated Human Perception

Yuxuan Liu

Measuring the Immeasurable: An Experiment for a Machine to Map Low-Level Features to High-Level Semantic Representation of Architectural Space Using a Single View Photo

Semine Long-Callese

The Raffles Museum in the Shift from Nature to Culture

Daniella Samira Maamari

(February, 2020)
Reviving Cosmopolitan Beirut: A Case Study of Three Modernist Art Spaces

Molly Mason

Crafting Decisions: Integrating Design, Fabrication, and Assembly for Six-Axis Robotic Arms

Andrew Robert Moorman

(February, 2020)
(See also S.M., Course VI)
Machine Learning Inspired Synthetic Biology: Neuromorphic Computing in Mammalian Cells

Nof Nathansohn

Digital Nomads: Space+Narrative Computing for the Village of Al Araqib

James Patrick Peraino

(See also S.M., Course VI)
Architectural Epidemiology: A Computational Framework

Charu Sharma

Building an All-Electric Volpe: A Perspective on Economic Considerations and Carbon Emissions.

Michael Todd Stradley

Colorzoom

Tuo Sun

(February, 2020)
(See also S.M., Course VI)
Synthesizing 3D Morphology from a Collection of Urban Design Concepts

Shaoying Tan

(See also S.M., Course VI)
Space is the Interface: Evaluating Spatial Knowledge Acquisition in Virtual Reality from the Perspective of Locomotion

Yair Yakov Titelboim

(February, 2020)
(See also M.C.P., Course XI)
Granular Urbanism: Adaptive Strategies for Obsolete Downtown Neighborhoods

Anna Vasileiou

Thinking Manual: A Digital Framework for Designing and Making

Piyush Verma

Rainwater Harvesting in Western Ghats of Maharashtra. The Case of Velhe Block, Pune A comprehensive multi-scalar approach.

Haoyu Wang

Digital Nomadism - The Shaping of a Future Place for Placeless People

Master of Science in Building Technology**Course IV**

Department of Architecture

Demi Lin Fang

Timber Joinery in Modern Construction: Mechanical Behavior of Wood-Wood Connections

Master in City Planning**Course XI**

Department of Urban Studies and Planning

Zachary Wayne Avre

"The Backbone of Chicago's Economy": the Chicago Microlending Institute and the Road to Financial Inclusion for Entrepreneurs of Color

Neha Bazaj

Daylighting Pathways to Good Jobs in California's Solar Industry

Abigail Bliss

Fault Lines: The Legacy of Urban Renewal in Hudson, NY

Braxton Corbin Bridgers

The Climate Code: A Framework to Enhance Emergency Response Through Civic Digital Participation

Tessa Mae Buono

(September, 2019)
Equitable Visitation of National Parks: Shedding Light on Community Partner Perspectives to Improve Park Planning for All

Anne Kiyono Calef

Provisioning Public Education: Infrastructural Violence, School Districting, and Spatialized Inequity in the San Francisco Bay Area

Diego Hernán Castillo Peredo

Development inequity: Advancing distributive justice by localizing SDG indicators for municipalities in Chile

Agustín Corwin Cepeda

The Punto Urban Art Museum in Salem, MA: A Case Study for Shared Authority

Jenny Wenjie Chen

Integrating Neighborhoods, Segregating Power

Julia Curbera

The Punto Urban Art Museum in Salem, MA: A Case For Shared Authority

Peter Leopold Damrosch

(February, 2020)
Mobility as a Public Service: Integrating Civil Rights Laws in Partnerships Between Transit Agencies and Ride-Hailing Companies

Sarah H. Edgar

Does the Siting of Neighborhood Incarceral Facilities Influence Local Police Behavior?

Stephen Migliore Erdman

Resilience Special Assessments for Housing Security: A Model for Mitigating Climate and Environmental Gentrification in New York City

Yichun Fan

Air pollution, Avoidance Behaviors, and Neglected Social Costs: Evidence from Outdoor Leisure and Commuting Behaviors

Zhuangyuan Fan

Connecting the Last Mile: Understanding Internet Service Providers Typologies to Connect Underserved America

Julia Marie Field

Urban Tree Canopy Governance and Redlined Neighborhoods: An Analysis of Five Cities

Mario Jezierski Goetz

Marginal Mobility: Public Transit Infrastructure for Precarious Settlements in Metropolitan Buenos Aires

Dylan Christopher Halpern

Community Remedies for Civic Disorientation, De-mobilization, and Malinformation

Carl Gunnar Hedman, Jr.

New Prescriptions? Nonprofit Hospital and Health System Charitable Spending on Housing as a Social Determinant of Health

Anne Woodbridge Hudson

(See also S.M., Transportation)
Where to Next? Analyzing Livability and Accessibility in the Later Stages of Life

Jeff Jamawat

(September, 2019)
(See also S.M., Real Estate Development)
Redesign, Redeploy, and Re-envision Urban Corporate Headquarters: Amazon's Seattle Campus Case Study

Shail Joshi

Managing the Water Crisis in Bundelkhand, India: A Governance Approach

Jonathan Hoagland Leape

(See also S.M., Transportation)
Winning the Housing Lottery in Rio de Janeiro: Curse or Cure?

Jintai Li

(September, 2019)
(See also S.M., Transportation)
Future Transit Service for a Broader User Base: Demand Analysis of Hypothetical Autonomous Vehicle Mobility Services Using a Stated Preference Approach

Kevin M. Li

(February, 2020)
An Analysis of Nonprofit Board Interlock Networks

Kendrick R. Manymules

Coal's Afterlives, Diné (Energy) Futures

Zoë Louise McAlear

Building Community Resilience to Climate Change with Facilitated, Collaborative Dialogue: Evaluating the VCAPS Process

Emmett Zane McKinney

Code Shift: Data, Governance, and Equity in Los Angeles's Shared Mobility Pilots

Kenyatta Theda McLean

Reclaiming Time and Space: Bringing Historical Preservation into the Future

Hannah Hunt Moeller

National Forests are (not) Parks: Managing Amenity Migration to America's National Forests

Ian Michael Ollis

Alleviating Carmageddon with a Research-Driven Rapid Transit Approach

Stephanie Elaine Peña

(Re)Centering Place within Detroit's Black Gentrification

Daniel Larkin Powers

Can State and Local Basic Income Policies Support Planning for Equity?

Marisa Rene Prasse

On Shaky Ground: How Environmental Hazards Impact Affordable Housing Development in San Francisco

David Bloom Robinson

The Stability Gap: Evictions and the Legacy of Housing Segregation in Boston's Communities of Color

Sean Patrick Robinson

(September, 2019)
(See also S.M., Real Estate Development)
A Regional Assessment of Transit-Oriented Office Development Opportunities in Boston's Suburbs

Radhika Singh

Managing the Water Crisis in Bundelkhand, India: A Governance Approach

Mary Hannah Smith

Creating a Market for Retreat: Transfer of Development Rights as a Climate Adaptation Tool in Coastal Massachusetts

Wonyoung So

Wesurvived.nyc: Participatory Mapping as a Political Act

Tanaya Srinivasakrishnan

Calculating Governance: City Benchmarking & Its Discontents

Tianyu Su

Identifying Commuting Behavior Segments for TDM Program Design: University Case Study

Jialu Tan

(See also S.M., Course VI)
Using Machine Learning to Identify Populations at High Risk for Eviction as an Indicator of Homelessness

Fiona Tanuwidjaja

A Guide to Palm Oil in Indonesia: Institutions and Their Effects on Independent Smallholder Farmers

Yair Yakov Titelboim

(February, 2020)
(See also S.M.Arch.S., Course IV)
Granular Urbanism: Adaptive Strategies for Obsolete Downtown Neighborhoods

Vanessa Toro Barragán

"¡El Pueblo No Se Rinde, Carajo!" (The People Will Never Give Up, Dammit!): A Case Study of the Buenaventura Civic Movement's Contributions to Insurgent Planning

Natalia Isabelle Vidigal Coachman

Planning Child-Friendly, Educating, and Learning Cities: An Urban Framework for Sao Paulo

Carolyn Weng Yang

Governing the Urban Innovation Economy: Trade-Offs Between Equity and Growth

Yao Zhao

(February, 2020)
(See also S.M., Course VI)
Deep Learning for Sentiment and Event-Driven REIT Price Dynamics

Master of Science in Urban Studies and Planning

Course XI

Department of Urban Studies and Planning

Suresh Subramanian

Does Living in a Slum Matter for HIV Medication Adherence? Examining Adolescent Behavior in Matero, Zambia

Master of Science in Media Arts and Sciences

Program in Media Arts and Sciences

May Alhazzani

(September, 2019)
Deep Embedding Approach to Classify Purpose of Trips between Cities from GPS Data

Safinah Arshad Ali

(September, 2019)
Designing Child Robot Interaction for Facilitating Creative Learning

David Wesley Anderton-Yang

(September, 2019)
Countering Source Bias in News

Lizbeth Barrios De La Torre

Exploratory Design Methods and Techniques in Support of Space Mission Concept Development

Marc Exposito Gomez

(September, 2019)
The LVN Mixtapes: Using Augmented Audiotapes for Story Sharing

Adam Jedidiah Haar Horowitz

(September, 2019)
Incubating Dreams Awakening Creativity

Tsung-Han Hsieh

(September, 2019)
Design and Control of a Two-degree-of-freedom Powered Ankle-Foot Prosthesis

Margaret Ann Hughes

Keeper: Online conversation support scaffolding modeled after ancient and modern social technologies

Britney Lorraine Johnson

(September, 2019)
Kicks x Cliques: Exploring the Intersection of Sneaker Culture and Mental Health in the Black Community

Noah Corinthian Jones

Prediction and Analysis of Degree of Suicidal Ideation in Online Content

Joseph Henry Kennedy, Jr.

Designing for Uncertainty: Material-Based Fabrication Processes for Indeterminate Outcomes

Felix Lorenz Kraemer

Live to Build, Build to Live: Organism-Machine Interfaces for Co-fabrication

Hane Lee

(September, 2019)
Freedom Simulator

Nicolas Alexander Lee

Designing for the Endless Ecosystem

Isabella Loaiza Saa

(September, 2019)
Cheap Signals and Costly Consequences

Tomohiro Maeda

Computational Imaging with Scattered Photons to See inside the Body

Bridgit Claire Mendler

OurStory: Dispute System Design Technology for Stakeholder Inclusion

Marian Mwikali Muthui

Jiradi: Reflective Documentation to Support Creative Learning and Skills Development

Ufuoma Oviemhada

Earth Observation Technology Applied to Environmental Management: A Case Study in Benin

Vikraman Parthiban

(September, 2019)
LUI: A Scalable, Multimodal Gesture and Voice Interface for Large Displays

Blakeley Hoffman Payne

Can My Algorithm Be My Opinion?: An Ethics of Artificial Intelligence Curriculum for Middle School Students

Ri Ren

Comb the Honey: Bee Interface Design

Oscar Rosello Gil

(February, 2020)
HeartBit: Mindful Control of Heart Rate Using Haptic Biofeedback

Caroline Rozendo Xavier dos Santos

(September, 2019)
PerForm: Deformable Interface for Dynamic Representation of Sound Through Meaningful Shapes

Tony Shu

(September, 2019)
Coordination of Lower Limb Movement Utilizing the Agonist-Antagonist Myoneural Interface

Tomás Alfonso Vega Gálvez

(September, 2019)
μJawstures: Jaw-teeth Microgestures for Discreet Hands-and-Eyes Free Mobile Device Interaction

Zeguan Wang

Whole-Brain Voltage Imaging of Larval Zebrafish Using Light-field Microscopy

Ramon Elias Weber

Geometries of Light

Jerry Wei-Hua Yao

(September, 2019)
IDK: An Interaction Development Kit to Design Interactions for Lightweight Autonomous Vehicles

Seong Ho Yeon

(September, 2019)
Design of an Advanced sEMG Processor for Wearable Robotics Applications

Takatoshi Yoshida

(September, 2019)
SCALE: Exploring Human-Object Interaction Through Force Vector Measurement

Master of Science in Media Technology

Program in Media Arts and Sciences

Carlos Núñez López

(September, 2019)
A Modular and Stretchable Electronic System for On-body Health Monitoring Applications

Master of Science in Real Estate Development

Center for Real Estate Development

Salma Samir Abdelgawad

Cross-Subsidy Models for Urban Manufacturing

Arash Arbabi
(February, 2020)
Capturing the Sun: How to Monetize Solar Energy in Multi-family Developments

Stefan James Bird
(February, 2020)
Cash Flowing Solar Developments for Long-Term Real Estate Redevelopment Opportunities

Philip Caporaso
(September, 2019)
Taxi Activity as a Predictor of Residential Rent in New York City

Jeffrey Thomas Dougherty
(September, 2019)
From Clicks to Bricks: The Impact of Digital-native Consumer Brands on Retail Real Estate

Tianyi Fan
(February, 2020)
An International Comparison on Coworking Companies Using Case Study Approach

Bretton Cody Finley
(September, 2019)
The Viability of the "Build-to-Rent" Single-Family Model in Tertiary Markets

Shepard Anton Halsey
(See also M. Arch., Course IV)
Cyclic Matter(s) in Architecture

Abdulrahman Hadi Hammoud
(February, 2020)
A Review of the Housing Market in Beirut between 2005 and 2019

Charles Thomas Hope
(September, 2019)
The Maturation and Resiliency of the Self-Storage Asset Class

Jeff Jamawat
(September, 2019)
(See also M.C.P., Course XI)
Redesign, Redeploy, and Re-envision Urban Corporate Headquarters: Amazon's Seattle Campus Case Study

Sea Hoon Kim
(See also S.M.Arch.S., Course IV)
Technology-Enabled Infrastructure Analysis of its Economics, Public Benefits and Urban Experience

Justin Christopher Lai
(September, 2019)
The Leasehold as an Alternative Ownership Structure

Valeri Patricia Limansubroto
(February, 2020)
Challenging the Generic: From Space to Place in Urban Development

Aaron Adam Manji
(September, 2019)
Co-Living as an Emerging Market: An Assessment of Co-living's Long-Term Resiliency (with S.H. Pepper)

Kenneth Paul Nolan
(February, 2020)
Transit Oriented Development: Best Practices and Stakeholder Perspectives

Wee Kian Alvin Ong
(September, 2019)
Quantifying Partnership Terms in Real Estate Joint Ventures

Sam Howard Pepper
(September, 2019)
Co-Living as an Emerging Market: An Assessment of Co-Living's Long-Term Resiliency (with A.A. Manji)

Gina Marie Pfingston
(September, 2019)
Risk Perception of Unentitled Land

Sean Patrick Robinson
(September, 2019)
(See also M.C.P., Course XI)
A Regional Assessment of Transit-Oriented Office Development Opportunities in Boston's Suburbs

Eric Charles Rosenthal
(September, 2019)
A Development Perspective on Creating Workforce Rental Housing Proximal to Major Employment Centers

Yuling She
Redevelopment Option Value for Industrial Property

Jiri Sykora
(September, 2019)
Vacancy Durations in the Office Market

Renjie Tang
(September, 2019)
Real Estate Crowdfunding in China

Wade Morrow Vaughn
(September, 2019)
Overlooked Opportunities: Small Class B Multifamily in Secondary Sun Belt Markets

John Royall Warman
(February, 2020)
Incentivizing Historic Rehabilitation and Adaptive Reuse in the United States and United Kingdom

Christopher Joseph Whittier
(September, 2019)
Commercial Real Estate Volatility: A Decomposition of Historical Market Values

Thomas Forbes Worth II
(September, 2019)
Housing Assistance and the Creation of Household Wealth

Fei Xu
(See also M. Arch., Course IV)
From Seed to Sale

Qianwen Yin
(September, 2019)
Exploring REITs for Community-Based Retail Development in China: A New Strategy to Create Better Places to Live

Nicole Remi Zaccack
(February, 2020)
How Real Estate Developers Define and Implement Their Social Impact Goals through the Real Estate Development Process

Shane Xue Ying Zhang
(February, 2020)
(See also M. Arch., Course IV)
Value in Design? Features, Pricing, and Design Strategies

Master of Science **(without specification of field)**

Salah Assana
Med. Arts & Sciences
Cardiovascular Activity Monitoring Using mmWaves

Sara E. Falcone
Med. Arts & Sciences
(February, 2020)
Zipped Assembly

Jake Robert Read
Med. Arts & Sciences
(February, 2020)
Distributed Dataflow Machine Controllers

Han Wen Shen

Med. Arts & Sciences

(September, 2019)

Affective Computing and

Crowdsourcing: Subjective Labels and
Sequential Effects

Elizabeth Ashton Strait

Med. Arts & Sciences

(September, 2019)

Genetic Circuits for Functional Screens
of Cas12a Guide RNA Libraries

Jaleesa Trapp

Med. Arts & Sciences

(September, 2019)

Uncovering Hidden Pathways

Ezinne EgondU Uzo-Okoro

Med. Arts & Sciences

Characterization of On-Orbit Robotic
Assembly of Small Satellites

SCHOOL OF HUMANITIES, ARTS, AND SOCIAL SCIENCES

Master of Science in Economics

Course XIV

Department of Economics

Jason Nikolaos Zaverdinos

Behavioral Responses to Public Pension Cuts: Evidence from the Greek Financial Crisis

Master of Science in Political Science

Course XVII

Department of Political Science

Samuel Rockwood Hoar

(September, 2019)
Presidential Power and Partisan Polarization

Len Chow Koh

(September, 2019)
China's Preference for the Regional Order in East Asia

Cheng Yi Lewis Won

(September, 2019)
Political Cleavages and the Global Privacy Regime

Master of Science in Science Writing

Course XXI

Program in Writing and Humanistic Studies

Diego Arenas

(September, 2019)
Minding the Empathy Gap: How Insights into Brains and Behaviors are Placating Polarization

Brittany Jean Flaherty

(September, 2019)
The Conservation Sacrifice: How Far New Zealand Will Go to Save Its Birds

Eva Charles Anna Frederick

(September, 2019)
Plague of Absence: Insect Declines and the Fate of Ecosystems

Devi Kailasa Lockwood

(September, 2019)
The Living Library

Emily R. Makowski

(September, 2019)
Mass Appeal: Saving the World's Bananas from a Devastating Fungus

Emily Pontecorvo

(September, 2019)
Navigating the 21st Century Without Vision

Madeleine Renee Turner

(September, 2019)
Future Talk: The Race to Build a Bot that Gabs like a Human

Gina Carmela Vitale

(September, 2019)
Asbestos, USA: Ambler, Pennsylvania Once Thrived as the Asbestos Capital of the World - Now it Grapples with the Waste That Was Left Behind

Master of Science in Linguistics

Course XXIV

Department of Linguistics and Philosophy

Verena Hehl

(September, 2019)
Intervention Effects in German: A Contiguity Approach

Daniel Margulis

(September, 2019)
Expletive Negation and the Decomposition of *Only*

Master of Science in Comparative Media Studies

Program in Comparative Media Studies

Elizabeth Denise Borneman

Data Visualizations for Perspective Shifts and Community Cohesion

Iago Bueno Bojczuk Camargo

Media Cartographies of Broadband Access in Brazil: The Case of the Geostationary Defense and Strategic Communications Satellite (SGDC-1) and Rural Schools

Woorim Chung

Subverting "The Algorithm": Examining Anti-Algorithmic Practices on Social Media

Judy Ann Heflin

AI-Generated Literature and the Vectorized Word

Samuel Romero Mendez

Health Equity Rituals: A Case for the Ritual View of Communication in an Era of Precision Medicine

Sultan Iman Sharrief

(September, 2019)
Wrestling With Systemic Edges; Designing for Long Term Social Change

Benjamin Luke Malanos Silverman

Fursonas: Furrries, Community, and Identity Online

Han Su

Theory And Practice Towards A Decentralized Internet

Annie Wang

Creators, Classrooms, and Cells: Designing for the Benefits and Limitations of Learning In Immersive Virtual Reality

SCHOOL OF SCIENCE

Master of Science in Chemistry

Course V

Department of Chemistry

Nadide Hazal Avci

(February, 2020)

Synthesis and Optimization of Synthetic Intermediates to Access C21-Oxygenated Aspidosperma Alkaloids

Hyehwang Kim

Utilization of Tetrametaphosphate

Anhydride for the Synthesis of Disubstituted Tetrphosphates, Terminally Modified Nucleoside 5'-Pentaphosphates, and Beyond

Chloe Anne Morgan

(September, 2019)

Solid-State NMR Investigation of Viral Fusion Glycoprotein 41 (gp41)

Merjema Purak

Synthesis and Applications of Functionalized Iptycenes

Jeffrey Neal Rosenberg

(February, 2020)

Spectroscopic and Reactivity Studies on Graphite-Conjugated Salen Complexes

Master of Science in Biology

Course VII

Department of Biology

Daniel Fernando Ramirez Montero

(September, 2019)

An Assembly Model for the Autophagy Initiation Complex

Master of Science in Physics

Course VIII

Department of Physics

Min Gu Kang

(February, 2020)

Resonant Elastic and Inelastic X-ray Scattering Studies on Electronic Orders and Excitations in High-Temperature Superconducting Cuprates

Jianshu Li

(February, 2020)

Preliminary Work for Three-Dimensional Imaging of the Epoch of Reionization with Interferometers

Zeyang Li

(September, 2019)

Unified Treatment of Light-Induced Effects for Atomic Ensemble in Optical Cavities

Garrett Kenji Simon

Measuring Trapped-Ion Motional Decoherence through Direct Manipulation of Motional Coherent States

Master of Science in Brain and Cognitive Sciences

Course IX

Department of Brain and Cognitive Sciences

Mackenzie C. Lee

A General Method for Three Color STED Microscopy with One Depletion Laser: Application to Primary Neuronal Cultures

Sebastian Boyd Templet

(February, 2020)

The Role of Neurogranin in Modulating Contextual Memory and Plasticity: FMRP Involvement and Adrenergic-Dependent Facilitation

Master of Science in Earth and Planetary Sciences

Course XII

Department of Earth, Atmospheric, and Planetary Sciences

Jorsua Herrera Bethencourt

(September, 2019)

Molecular Characterization and Effect of Diagenesis and Maturation of Melanin in the Fossil Record

Taylor K. Safrit

Centaur Shapes and the Origin of Bilobate Jupiter-Family Comets

Anuar Togaibekov

Monitoring of Oil-Production-Induced Subsidence and Uplift

Master of Science in Mathematics

Course XVIII

Department of Mathematics

Mason Thomas Biamonte

(February, 2020)

Quantum Phase Estimation without the Quantum Fourier Transform

AWARDED JOINTLY WITH THE WOODS HOLE OCEANOGRAPHIC INSTITUTION

Master of Science in Mechanical Engineering

Ryan Lee Conway
Course II
(September, 2019)
Coordinated Tracking and Interception
of an Acoustic Target Using
Autonomous Surface Vehicles

Michael Jesus Humara
Course II
Stochastic Acoustic Ray Tracing with
Dynamically Orthogonal Equations

Andrew Stafford Johnson
Course II
(September, 2019)
Development and Deployment of a
Novel Deep-sea *in situ* Bubble Sampling
Instrument for Understanding the Fate
of Methane in the Water Column

Master of Science in Aeronautics and Astronautics

Kevin Joseph Doherty
Course XVI
(September, 2019)
Robust Non-Gaussian Semantic
Simultaneous Localization and Mapping

Stewart C. Jamieson
Course XVI
Enabling Human-Robot Cooperation in
Scientific Exploration of Bandwidth-
Limited Environments

Victoria Lynn Preston
Course XVI
(September, 2019)
Adaptive Sampling of Transient
Environmental Phenomena with
Autonomous Mobile Platforms

Master of Science in Chemical Oceanography

Tyler James Tamasi
Course XII
(September, 2019)
Nitrogen Cycling in Tropical Reef-
Building Corals: A Case Study From the
Gardens of the Queen, Cuba

Master of Science in Physical Oceanography

Stephan Dominic Gallagher
Course XII
(September, 2019)
Oceanic Response Observations due to
Passing Tropical Cyclones: An
Assessment of Drag and Sea Spray
Parameterizations

SCHOOL OF ENGINEERING

Master of Engineering in Civil and Environmental Engineering

Course I-P

Department of Civil and Environmental Engineering

Ho Yin Ernest Ching

Truss Topology Optimization of Steel-Timber Structures for Embodied Carbon Objectives

Judyta Maria Cichocka

(February, 2020)
INFRAME - Design and Construction of a Sequentially Erected Elastic Timber Gridshell

Ishani Desai

Designing Structures with Tree Forks: Mechanical Characterization and Generalized Computational Design Approach

Ayse Y. Heckel

Spider Web Geometry Inspires Long Span Roof Trusses

Alexandra Abla Kawar

Comparative Study of Bracing Patterns and Materials for Tall Timber Buildings

Xin Y. Lo

Analysis and Reproduction of Geopolymer Concrete

Brian Todd Luster

Evaluation of the Design Space for Reinforced Concrete Building Components Subject to Blast Loading

Grace E. Melcher

Topology Optimized Hemispherical Shell Under Asymmetric Loads

Anna Sofia Montoya-Olsson

Parametric Modeling and Optimization of External Braced Frames for Embodied Energy and Daylight Availability

Herbert Mwesigye Nuwagaba

Opportunities for Affordable Construction in Uganda Using Locally Available Materials

Michael Roland Ramirez

Optimization and Analysis of Doubly-Curved Kirigami Space Frames

Diego Alfonso Rivera

Optimization of Patterned Surface Structures

Daniel Campbell Seats

Form Finding of Structural Reused Material Trusses with Graphic Statics

Amber R. VanHemel

(February, 2020)
Spatial Variance of Peat Subsidence in Southeast Asia by Land Use

Enrique Velez Lopez

(February, 2020)
(See also S.M., Course XXII)
Is Embedding the Reactor Building Below Grade a Cost-Effective Proposition?

Eric Wong

Multi-Objective Exploration of Photovoltaic Green Roof Design

Edmundo Rodolfo Zambrano

Proposed North-South Rail Link Tunnel in Boston and its Structural Effect on an Existing Highway Bridge

Master of Science in Civil and Environmental Engineering

Course I

Department of Civil and Environmental Engineering

Audrey Bazerghi

(See also M.B.A., Course XV)
Inventory Modeling for Active Pharmaceutical Ingredient Supply Chains

Katerina Boukin

Improving the South Boston Rail Corridor

Angela Marie Cacciola

(September, 2019)
Are PCBs in Phytoplankton and Zooplankton at Equilibrium with the Water in Which They Live?

Shouvik Das

(See also M.B.A., Course XV)
Multi-Echelon Supply Chain Design for Amazon Private Brands

Monica Francesca Harnoto

(See also M.B.A., Course XV)
Value of Distribution-Level Reactive Power for Combined Heat and Power Systems

Nalaka Kanishka Bandara Kahawatte

(See also M.B.A., Course XV)
Digital Business Model Development and Validation for Real-Time Monitoring Solution for Electrical Power Transformers

Zihuai Liu

(See also M.B.A., Course XV)
Artificial Intelligence Infrastructure into Material Attributes Insights

Randall Chase Markham

(See also M.B.A., Course XV)
Reducing Inventory through Supply Chain Coordination in an Industrial Supply Chain

Michael Vincent Martello

Resilience of Rapid Transit Networks in the Context of Climate Change

Lorcan A. Murphy

(See also M.B.A., Course XV)
Increasing E-commerce Distribution Center Capacity Through Slotting Strategy

Margaret Ellen Neff

(See also M.B.A., Course XV)
Evaluating Modeling Techniques for Quantifying Production Risk in Contact Lens Manufacturing

Aramael Andres Peña-Alcántara

Tracking Engagement: A Machine Learning Framework for Estimating Affective Engagement

Hannah Michelle Phillips

(See also M.B.A., Course XV)
A Data-Driven Approach to Continuous Improvement in Reverse Logistics

Stephane Poulain

(September, 2019)
Bursting Bubbles and Water-to-air-transfer: Interplay between Underlying Physics and Microbial Contamination

James Clifford Rowe
(September, 2019)
Heterogeneous Reaction of
Benzo[a]pyrene with Hydroxyl Radical
and Ozone Under Atmospherically
Relevant Conditions: Kinetics and
Product Analysis

Sama Taha
Effect of Nano Cellulose and Nano
Carbon Black on Cement Paste
Microstructure

William Geoffrey Winegar
(See also M.B.A., Course XV)
Standardization of New Product
Introductions to Achieve Zero Defect
Lines

**Master of Engineering in
Advanced Manufacturing and
Design**
Course II-P
*Department of Mechanical
Engineering*

Diary Oliveira Fernandes
(September, 2019)
Design and Development of a Precision
Packaging Stage and Master Control
System for an Automated Vial
Packaging Machine

Jessica Elizabeth Harsono
(September, 2019)
Optimizing Distribution Center Packing
Operations to Reduce Volumetric
Shipping Costs

Siyang Liu
(September, 2019)
Design and Development of an
Automated Inspection System for Vials

Efstratios Moskofidis
(September, 2019)
Design and Development of a Transfer
System for an Automated Packaging
Machine

Steven Adam Ratner
(September, 2019)
Design and Development of a Placement
Mechanism for an Automated Packaging
Machine

Dehui Yu
(September, 2019)
Evaluation of Outbound Operations
Improvement Projects for Distribution
Centers

Bowen Zeng
(September, 2019)
Improved Packing Strategy for
Distribution Centers to Reduce Freight
Cost

Zhengyang Zhang
(September, 2019)
Design and Development of an
Automated Sorting and Orienting
Machine for Vials

**Master of Science in
Mechanical Engineering**
Course II
*Department of Mechanical
Engineering*

Robert James Addy
(See also M.B.A., Course XV)
Cost of Complexity: Mitigating
Transition Complexity in Mixed-Model
Assembly Lines

Abdulmohsen Sulaiman Alowayed
(September, 2019)
Design of a Small-Scale and Off-Grid
Water Desalination System Using Solar
Thermal Heating and Mechanical Vapor
Compression

Ankur Mukesh Amlani
(See also M.B.A., Course XV)
Floor Entry Task Prioritization for
Highly Automated Fulfillment Centers

Graham Philip Arrick
Delivery of Large-molecule Therapeutics
via Jetting in the Gastrointestinal Tract

Kwabena K. Arthur
On the Use of Prior Knowledge in Deep
Learning Algorithms

Andrew Ryan Bader
Biomaterials for Non-Viral Delivery of
Nucleic Acid Drugs

Jason Barnell Barker
(See also Naval E., Course II)
Automated Decision Making for
Operations within a Traffic Separation
Scheme Using MOOS-IvP

David Paul Baxter
(See also Naval E., Course II)
Toward Robust Active Semantic SLAM
via Max-Mixtures

John Harry Bell IV
A Two-Motor Actuator for Legged
Robotics Applications

Dextina A. Booker
(See also S.M., Engineering and
Management)
The Future of Fashion & Human Gesture
Control: Exploration of a Wearable
Communication Device for Sign
Language Speakers

Audrey N. Bosquet
Body Scan Processing, Generative
Design, and Multi-Objective Evaluation
of Sports Bras: A New Design Strategy

Casey Alex Boyle
(See also M.B.A., Course XV)
Process Enablers for Successful Reverse
Engineering inside Large Organizations

Austin R. Brown
Novel Magnet Structures for
Mechanically Robust Linear Motors

Steven Burcat
(February, 2020)
Design and Evaluation of an Abrasive
Saw Kickback Machine

Caitlin Mary Butala
(See also M.B.A., Course XV)
Connected Factory: Real Time Data
Analysis for Manufacturing Efficiency

Daniel A. Carballo
(February, 2020)
Visual Navigation for Dynamic
Quadruped Robots

Alexis-Tzianni Charalampopoulos
(September, 2019)
Machine Learning Non-local Closures
for Turbulent Anisotropic Multiphase
Flows

Yasmin Chavez
System Identification and Control of a
Miniature External Mechanical
Vibration Device towards Clinical
Ultrasound Shear Wave Elastography

Hongling Chen
(See also S.M., Engineering and
Management)
A Vascular Imaging System for
Longitudinal Registration and Mapping
of Superficial Vessels with Quantitative
Analysis

Pin-Yi Chen
(See also S.M., Course VI)
Resource Competition in CRISPR-
Mediated Gene Regulation

Yudong Chen

(September, 2019)
Water Splitting For Hydrogen and Syngas Production over a Novel Bi-layer Perovskite Membrane

Brendon W. Chiu

(See also M.B.A., Course XV)
Additive Manufacturing Applications and Implementation in Aerospace

Jeffrey Bowen Chu

(See also M.B.A., Course XV)
Investigating the Feasibility and Impact of Integrating Wire-Arc Additive Manufacturing in Aerospace Tooling Applications

Donald Mateo Coates

(See also M.B.A., Course XV)
Integrating Agile within Complex Hardware Development via Additive Manufacturing

Alban C. Cobi

A Suction-Based Reversible Attachment and Locomotion Mechanism for an Underway Vessel Hull Cleaning and Inspection Robot

Ellen Coleman

(See also M.B.A., Course XV)
Establishment of a Novel *Pichia Pastoris* Host Production Platform

Julia Elizabeth Cumming

(See also S.M.(N.A.M.E.), Course II)
The Practicality of Adaptable Geometry Centrifugal Pumps in U.S. Navy Systems

Lea A. Daigle

(See also M.B.A., Course XV)
Organizational Architecture Design and Assessment of Statistical Feasibility for FSDA Implementation in an Airplane Subassembly

Kyle Ricardo Danner

(See also M.B.A., Course XV)
Utilizing Automated Inspection to Identify Surface Quality Defects within the Automotive Body Assembly Process

Fatima Zahraye Diallo

(See also M.B.A., Course XV)
Using Discrete-Event Simulation to Increase System Capacity: A Case Study of an Assembly Plant

Gregory Dreifus

(February, 2020)
Analysis of Tool Path Optimization in Large Scale Additive Manufacturing

Huifeng Du

Finite Element Analysis of Adhesive Contact Interface in Continuous 3D Printing

Raz Elhassid

(February, 2020)
(See also S.M.(N.A.M.E.), Course II)
Experimental Verification of Biomimetically Designed Ventral Fins for AUVs

Lindsay M. Epstein

Bi-Modal Hemispherical Sensors for Three Axis Force and Contact Angle Measurement

James Gabbard

(February, 2020)
An Immersed Interface Method for Incompressible Flow with Moving Boundaries and High Order Explicit Time Integration

Brian Gabriel Gaudio

(See also M.B.A., Course XV)
Assessing the Impact of Historical Operational Data from Complex Assets on Predictive Maintenance Models

Kaitlyn Elizabeth Gee

Numerical Tools for Rate-Cost-Quality Analysis of Laser-Based Additive Manufacturing

Noa Ghersin

(See also M.B.A., Course XV)
Improving Asset Utilization and Manufacturing Production Capacity Using Analytics

Nigel Min Feng Goh

(See also M.B.A., Course XV)
Applications of Risk Pooling for the Optimization of Spare Parts with Stochastic Demand Within Large Scale Networks

Fiona R. Grant

(September, 2019)
Development and Validation of a Systems-level Cost Optimization Tool for Solar-powered Drip Irrigation Systems for Smallholder Farms

Luke A. Gray

Sequestering Floating Biomass in the Deep Ocean: "Sargassum Ocean Sequestration of Carbon" (SOS Carbon)

Rui Guo

(February, 2020)
Single-Component Li₂O Solid Electrolyte Interphase on Lithium: Probing Transport Properties in Battery Environments

Stephen Carrol Guth

(September, 2019)
An Exploration of Data-Driven Techniques for Predicting Extreme Events in Intermittent Dynamical Systems

Rabab Haider

(February, 2020)
Optimal Coordination of Distributed Energy Resources in Smart Grids Enabled by Distributed Optimization and Transactive Energy

Charles Hayden Hasenbank

(See also Naval E., Course II)
The Design, Feasibility and Cost Analysis of Sea Barrier Systems in Norfolk, Virginia and the Comparative Cost of Shoreline Barriers

Alexander R. Hattori

Design of a High Torque Density Modular Actuator for Dynamic Robots

Denton Xiang He

(See also M.B.A., Course XV)
Distribution and Replenishment Optimization between Locations of High and Low Real Estate Cost

Qi He

3D Reconstruction of Human Body via Machine Learning

Julian Heidenreich

(February, 2020)
On the Potential of Convolutional Neural Networks for Estimating the Structural Response of Two-Material Structures

Emily Jane Hsu

(See also S.M., Engineering and Management)
Design of a Measurement Device for Bread Dough Proofing

Rishabh Ishar

(February, 2020)
Estimation of Precursors for Extreme Events Using the Adjoint Based Optimization Approach

Shahrin Jamila Islam

(September, 2019)
Engineering Improvements for
Epicardial Drug Delivery Systems

Yohan M. John

(September, 2019)
Observability Analysis of Power
Distribution Systems with Distributed
Energy Resources Using Correlational
Measurements

Austin Robert Jolley

(See also Naval E., Course II)
Design, Construction, and Analysis of a
Modular Ship Model and Open-Source
Autonomous Surface Vehicle

Kimberly Jung

Exploring Low-Cost Deep Ocean
Sensing Utilizing Undersea Cable
Networks

Ravitej Reddy Kanapuram

(September, 2019)
(See also M.B.A., Course XV)
Using Data Science and Model Based
Systems Engineering to Design and
Operate Production Systems

Ha Eun David Kang

Design of Anti-biofouling Lubricant-
Impregnated Surfaces (LIS) Robust to
Cell-growth-induced Instability

Bobak Toussi Kiani

Quantum Artificial Intelligence -
Learning Unitary Transformations

Stephen Bradley Kidwell

(See also S.M.(N.A.M.E.), Course II)
Shipboard Fault Detection, Load
Transient Exploration, and Power
Simulation

Hyungseok Kim

Development of a Hydrogel-based
Biocompatible Platform for Studying
Metabolic Interactions between Algae
and Bacteria

Sangwoon Kim

Model-free Tracking Control of an
Optical Fiber Drawing Process using
Deep Reinforcement Learning

Miranda P. Kotidis

(September, 2019)
Experiments with Impulsive Motion of a
Foil to Generate Large Lift and Thrust
Forces

Rebecca Ann Kurfess

(September, 2019)
A Thermally-Driven Design
Methodology for Large-Scale Polymer
Additive Manufacturing Systems

Jordan Riley Landis

(See also M.B.A., Course XV)
Benchmarking Environmental Efficiency
of Garment Factories to Understand the
Value of Real-Time Environmental Data

Alina Dale LaPotin

(September, 2019)
Multi-Stage Adsorption-Based
Atmospheric Water Harvesting

Logan Patrick Leahy

Estimating Output Torque via
Amplitude Estimation and Neural
Drive: A High-Density sEMG Study

Sungkwon Lee

(September, 2019)
Flow Optimization of Ventricular
Catheters for Shear Stress-induced
Death of Astrocytes

Anne-Claire Elisabeth Marie Le Henaff

(September, 2019)
Time-Variant Solar-Powered
Electrodialysis Reversal Desalination for
Affordable Off-Grid Clean Water Supply

Victor Julio Leon

(September, 2019)
Self-propulsion of Small Droplets on
Thin Liquid Films

Paul Lilin

Drying of Colloidal Suspension Drops:
Pattern Formation and Mechanical
Deformation

Jing Lin

(February, 2020)
Minimum-Correction Second-Moment
Matching: Theory, Algorithms and
Applications

Muyuan Lin

(February, 2020)
Deep Learning-Based Approaches for
Depth and 6-DoF Pose Estimation

Sandra Qi-Jun Liu

Vision-Based Proprioception of a Soft
Robotic Finger with Tactile Sensing

Kuangye Lu

Graphene-assisted Spontaneous
Relaxation and Direct CVD Growth of
Graphene on III-V Substrate

Shirley Suet-Ning Lu

Design of Dynamically Controlled
Desktop Fiber Accumulator with
Tension Feedback as Part of Smart
Manufacturing Educational Kit

Anthony Douglas Macaluso

(See also S.M.(N.A.M.E.), Course II)
Fuel Tank Corrosion Impacts on Future
Fleet Readiness

Caroline Taylor McCue

(September, 2019)
Particle Assisted Protein Crystal
Nucleation as a Protein Purification
Platform for Pharmaceutical
Manufacturing

Erich Paul Meinig

(September, 2019)
An Exploration of Modality Matched
Mechanotactile Feedback via a Soft
Actuator for Use in Prosthetic Devices

Dante Edward Montgomery

(See also M.B.A., Course XV)
Project-Based Manufacturing: An
Approach for Quote Development

John Willard Montgomery III

Calibrating Schlieren Imaging for
Understanding Local Film Deformation
for a Range of Wetting and Intrusions in
Soap Films

Moses Chong-ook Nah

Dynamic Primitives Facilitate
Manipulating a Whip

Gregory Thomas Nannig

(February, 2020)
Using Image Processing Methods for a
Radar Estimate of Marine Vehicle
Odometry

Hans Antoon Nowak II

(See also M.B.A., Course XV)
Strategic Capacity Planning using Data
Science, Optimization, and Machine
Learning

Elliot D. Owen

(February, 2020)
Design of a Low-Cost High-Performance
Flexural Six Degree-of-Freedom
Positioning Stage

Aniket Sanjay Patankar

(February, 2020)
Numerical Simulation of Heavy Oil
Droplets Mixing in Supercritical Water
at Conditions Relevant to Supercritical
Water Heavy Oil Upgrading

Nina T. Petelina

(September, 2019)
Exploring the Role of Damping in a Passive Prosthetic Knee through Modeling, Design, and Testing

Danyal Rehman

Monovalent selective electro dialysis: optimizing energetics for desalination and mineral recovery

Taylor Kirstyn Robinson

(See also M.B.A., Course XV)
Leveraging Flexible Manufacturing in Streamlining New Product Launch Processes

Michael Columbus Ross

(See also M.B.A., Course XV)
Reducing Variations in a Highly Constrained Environment in Order to Increase Production Capacity

Tikhon James Ruggles

(See also Naval E., Course II)
Electronics First: Development of a Basic Electronics Course of Study for Naval Engineers

Jana I. Saadi

(February, 2020)
Motivating Sustainable Behavior Through Cognitive Interventions in Product Design

Ryan Joseph Sandzimier

A Data-Driven Approach to Bucket-Filling Control for Autonomous Excavators

William James Sawyer

(February, 2020)
Toward Improved Manufacturing of Carbon Nanotubes by Microplasma Synthesis of Catalyst Nanoparticles

Aaron Paul Schlenker

Integrated Optimization of Thermoelectric Systems

Carolyn Sheline

(September, 2019)
Lowering the Cost of Solar-Powered Drip Irrigation Systems for Smallholder Farmers Through Systems-Level Modeling, Optimization and Field Testing

Brian Asanuma Stanfield

(See also Naval E., Course II)
Incorporating Contact Management and Marine Dynamics in Decentralized Auction Bidding for Autonomous Surface Vehicles

Tingyu Su

Properties of Off Stoichiometric Yttrium Iron Garnet

Wenhui Tang

Collective Cellular Behavior on Curved Surface

Adriane Ann Turner

(See also M.B.A., Course XV)
Evaluation of Automated Storage and Retrieval in a Distribution Center

Juliet Wanjiru Wanyiri

(See also S.M., Engineering and Management)
Structural and Aesthetic Design Applications of Flexible, Thin-film Solar Cells to Power Off-Grid Tensile Structures

Benjamin Stone Weinreb

A Novel Magnetically Levitated Interior Permanent Magnet Slice Motor

Aaron Michael West, Jr.

Towards Non-Invasive Measurement of Human Manipulation during a Complex Physical-Interaction Task: Wire-Harnessing

David Travis Kent Woodruff

(See also M.B.A., Course XV)
Stepping Toward a Smarter Factory at Canam

Sagar Pandey Yadama

(See also M.B.A., Course XV)
Data Driven Risk Assessment for Turbine Engine Programs

Paige Denise Youngerman

(See also M.B.A., Course XV)
Impact of Part Proliferation on a High Mix Low Volume Manufacturing Environment

Wang Zhang

(See also S.M., Course VI)
Modeling Internal Combustion Engine Three-Piece Oil Control Ring Coupling Reduced Order Oil Transport Based on Neural Network

Raphael Matan Zonis

Development of an Automated Microfluidic System for the Loading and Unloading of Cryoprotectants from Mammalian Oocytes

Master of Science in Naval Architecture and Marine Engineering**Course II**

Department of Mechanical Engineering

Julia Elizabeth Cumming

(See also S.M., Course II)
The Practicality of Adaptable Geometry Centrifugal Pumps in U.S. Navy Systems

Raz Elhassid

(February, 2020)
(See also S.M., Course II)
Experimental Verification of Biomimetically Designed Ventral Fins for AUVs

Stephen Bradley Kidwell

(See also S.M., Course II)
Shipboard Fault Detection, Load Transient Exploration, and Power Simulation

Anthony Douglas Macaluso

(See also S.M., Course II)
Fuel Tank Corrosion Impacts on Future Fleet Readiness

Master of Science in Materials Science and Engineering**Course III**

Department of Materials Science and Engineering

Victor Kenneth Champagne III

(September, 2019)
Energy Dissipation in Shape Memory Zirconia Particles, Packings, and Composites

Gautham Muthusamy

Effect of Cooling Rate During Solidification of Aluminum-Chromium Alloy

Jee Soo Yoo

(September, 2019)
Computational Study on Controlling the Optical Properties of Solar Thermal Fuels

**Master of Engineering in
Electrical Engineering and
Computer Science**

Course VI-P

*Department of Electrical
Engineering and Computer Science*

Lena A. Abdalla

(February, 2020)
Classification of Computer Programs in
the Scratch Online Community

Aradhana Adhikari

3D Visualization Tool for Custom
Electronics Fabrication Using Laser
Cutter

Wala M. Alkhanaizi

A Sleep Mask for Conducting Sleep
Studies

Julian A. Alverio

(February, 2020)
Zero Shot Learning Robotic Tasks with
Language Integration

David James Amirault

(See also S.B., Course VI-3)
Partition WaveNet for Deep Modeling of
Automated Material Handling System
Traffic

Christopher Z. Au

Characterization of Deep Neural
Network Feature Space For Inverse
Synthetic Aperture Radar Automatic
Target Recognition

Emmanuel M. Azuh

(September, 2019)
Towards Bilingual Lexicon Discovery
From Visually Grounded Speech Audio

Annamarie E. Bair

(September, 2019)
Molecular Graph Self Attention and
Graph Convolution for Drug Discovery

Brandon J. Baraban

(See also S.B., Course VI-3)
Learning Rules for Task and Motion
Planning

Sravya M. Bhamidipati

(September, 2019)
Examining Approaches to Quantify the
Role of People, Policy, and Process in
Cyber Risk Management

Nikhil Bhatia

Using Transfer Learning, Spectrogram
Audio Classification, and MIT App
Inventor to Facilitate Machine Learning
Understanding

Sanchit Bhattacharjee

(September, 2019)
Integrating SLAM-DUNK and Variable
Rate Particle Observers for Fast Multi-
Hypothesis SLAM

Angie W. Boggust

Unsupervised Audio-Visual Learning in
the Wild

Jacqueline M. Bredenberg

Optimizations for Performant
Multiverse Databases

Nithin Buduma

Identifying Relevant Molecular
Substructures for Property Prediction

Rares-Darius Buhai

Learning Restricted Boltzmann
Machines with Few Latent Variables

Katherine A. Camenzind

Non-Contact Voltage Monitoring of
Three-Phase Power Cables

Giulio Capolino

Methods to Analyze Spatiotemporal
Dynamics of Electrochemically
Recorded Striatal Dopamine

Alan E. Casallas

(September, 2019)
Contactless Current and Voltage
Detection Using Signal Processing and
Machine Learning

Christos Nestor Chachamis

A Dimension Reduction Technique to
Preserve Nearest Neighbors on High
Dimensional Data

Julian A. Chacon-Castaño

(February, 2020)
Exploration of Alternative Algorithms
for Multi-Channel Acoustic Echo
Cancellation

Adelaide W. Chambers

Longitudinal VoxelMorph:
Spatiotemporal Modeling of Medical
Images

Raphael Chang

(February, 2020)
Significance of Omnidirectional Fisheye
Cameras for Feature-based Visual SLAM

Shivani Chauhan

(September, 2019)
A Mobile Platform for Non-invasive
Diabetes Screening

Alex L. Chen

JiboChat: Interactive Chatting Through a
Personal Robot

Brian Chen

RiffShuffle: A Flexible Interface for
Interactive Automatic Harmonization

Bryan Chen

Relieving Label Requirements Through
Weakly Supervised Learning

Daibo Chen

(September, 2019)
RF Energy Harvesting Using Carbon
Nanotube Components

Run Chen

Recovery of Functional Projections
Through Unsupervised Learning

Alan D. Cheng

Low Power Time-of-Flight Imaging for
Augmented Reality

Rayden Yongxiang Chia

SPAR: A Robust SDN-Based
Architecture for Autonomous Network
Active Defense

Kevin K. Cho

(September, 2019)
Three Dimensional Editor for App
Inventor

Lauren W. Clayberg

Web Element Role Prediction from
Visual Information Using a Novel
Dataset

Zachary L. Collins

Active Database Interface for Video
Search

Osmany L. Corteguera

Airborne Collision Avoidance with
Three-Dimensional Policy

Yang Dai

(September, 2019)
Integrated Multiparametric Deep
Spatial Phenotyping of Mouse Models of
Lung Adenocarcinoma

Sourav Das

(September, 2019)
Predicting Unknown Adverse Drug
Reactions Using an Unsupervised Node
Embedding Algorithm

Leo Ramón Nathan de Castro

(February, 2020)
Practically Efficient Multi-Party
Computation Protocols from
Homomorphic Encryption

Miguel Ángel del Río Fernández

(February, 2020)
Structure and Geometry in Sequence-
Processing Neural Networks

Elizabeth A. DeTienne

Multi-Digit Processing and
Contextualized Analysis on the Symbol
Digit Test

Jared J. Di Carlo

(February, 2020)
Software and Control Design for the
MIT Mini Cheetah Quadruped Robot

Emily H. Do

(September, 2019)
An Entropy-based Approach to
Network Attack Classification with
Deep Neural Network

Jamell A. Dozier

(February, 2020)
Emergent Patterns of Task-Specific
Neurons in Deep Neural Networks

Sabrina M. Drammis

(February, 2020)
Understanding the Role of Striosomes in
Learning a Decision-making Task

Rogers S. Epstein

Local Access to Sparse Connected
Subgraphs Via Edge Sampling

Ivan Tadeu Ferreira Antunes Filho

(September, 2019)
SAT Infrastructure

Roberto Daniel Filizzola Ortiz

Robust Algorithms for Analysis of
Traveling Wave Motions of the Tectorial
Membrane

Sean Cameron Burrows Fraser

Computing Included and Excluded
Sums Using Parallel Prefix

Allison Fu

A Vision-Language Model for
Translation

Paolo Y. Gentili

(September, 2019)
Active Learning Using Meta-Learned
Priors

Sydney Marie Gibson

Waddle: A Proven Interpreter and Test
Framework for a Subset of the Go
Semantics

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Effects in an Antiferromagnetic
Insulator/Pt Bilayer Film

Wang Zhang
(See also S.M., Course II)
Modeling Internal Combustion Engine
Three-Piece Oil Control Ring Coupling
Reduced Order Oil Transport Based on
Neural Network

Yao Zhao
(February, 2020)
(See also M.C.P., Course XI)
Deep Learning for Sentiment and Event-
Driven REIT Price Dynamics

Jonathan Zong
(February, 2020)
Designing Interactive Visualizations by
Demonstration

**Master of Science in Chemical
Engineering**
Course X
*Department of Chemical
Engineering*

Aaron Davis Baskerville-Bridges
(See also M.B.A., Course XV)
Computation and Predictive Modeling
to Increase Efficiency and Performance
in Cell Line and Bioprocess
Development

Ketan Kumar
(See also M.B.A., Course XV)
Product Management Framework for
the Development of Automation
Solutions for Biologics Drug Substance
Manufacturing

Randy Stein
(See also M.B.A., Course XV)
Process Intensification of *Spodoptera
Frugiperda* (*Sf*) Cell Growth via Multi-
Parallel Bioreactor System

**Master of Science in Chemical
Engineering Practice**
Course X-A
*Department of Chemical
Engineering*

Dana L. Balek
(September, 2019)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Wui Yarn Chan
(September, 2019)
(See also Ph.D., Course X)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Luke Anthony Dengler
(September, 2019)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Xiaorui Dong
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Hamid Doost Hosseini
(September, 2019)
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Engineering Practice in Lieu of Thesis

Brook A. Eyob
(September, 2019)
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Engineering Practice in Lieu of Thesis

Soonhyoung Kwon
(February, 2020)
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Engineering Practice in Lieu of Thesis

Hyunhee Lee
(February, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Matthew Robert Letarte
(September, 2019)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Joseph Haleem Maalouf
(February, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Maxwell Peter Maritato
(September, 2019)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Lorenzo Milani
(February, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Clayton Lambert Powell
(September, 2019)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Nicholas Walter Schickel
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Yuan Tian
(February, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Jinming Wang
(February, 2020)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

Yen-Ting Wang
(September, 2019)
Attended School of Chemical
Engineering Practice in Lieu of Thesis

**Master of Science in
Aeronautics and Astronautics**
Course XVI
*Department of Aeronautics and
Astronautics*

Andrew C. Adams
Nafion Emitter Tips for Electrospray
Thruster Applications

Christopher Powell Bradley
(September, 2019)
Navigation of Unknown Environments
Using High-Level Actions

Alejandro D. Cabrales Hernandez
Real-Time and Minimum-Fuel
Trajectory Generation for Docking with
Tumbling Objects

Katherine Shisuka Chun
Shape Memory Alloy Actuator for
CubeSat Deployable Structures

Christopher Bryce Courtin
(September, 2019)
An Assessment of Electric STOL Aircraft

Ryan de Freitas Bart
Reusability Analysis for Lunar Landers

Lena Marie Downes
Lunar Orbiter Pose Estimation Using
Neural Network-based Crater Detection

Faisal Adam Fogle
Liquid Lens Beam Steering and
Environmental Testing for the Miniature
Optical Steered Antenna for Inter-
satellite Communication

Kanika Gakhar
The Effect of Free-Stream Turbulence on
Dissipation in Turbulent Boundary
Layers

Ximo Gallud Cidoncha
(September, 2019)
A Comprehensive Numerical Procedure
for Solving the Taylor-Melcher Leaky
Dielectric Model with Charge
Evaporation

Juan Jose Garau Luis
A Comparison of Artificial Intelligence
Algorithms for Dynamic Power
Allocation in Flexible High Throughput
Satellites

Peter William Grenfell
(February, 2020)
GNSS-Based Relative Navigation for
LEO Nanosatellite Laser
Communications

Warren Grunwald
(September, 2019)
Decentralized On-board Planning and
Scheduling for Crosslink-enabled Earth-
observing Constellations

Dong Ki Kim
(February, 2020)
Learning to Teach and Meta-Learning
for Sample-Efficient Multiagent
Reinforcement Learning

Luke Kulik
(September, 2019)
Satellite-based Detection of Contrails
Using Deep Learning

Madeline Marie Lambert
A Root Cause Analysis of the REXIS
Detector Efficiency Loss During Phase E
Operations

Beldon Chi Lin
Simultaneous Vehicle and Mission
Design using Convex Optimization

Seamus Joseph Holt Lombardo
Evaluating the Effect of Spacesuit Glove
Fit on Functional Task Performance

Jonathan V. MacArthur
Material and Fabrication Developments
in the Ion-Electrospray Propulsion
System

Patrick Calvin McKeen
(September, 2019)
Modeling and Tradespace Exploration of
a Space Suit Hip Bearing Assembly
using Multi-Degree-of-Freedom Range
of Motion Analysis

Nicolas Pierre Meijers
(February, 2020)
Data-Driven Predictive Analytics of
Runway Occupancy Time for Improved
Capacity at Airports

Daniel Martin Miller
Low-thrust Spacecraft Guidance and
Control using Proximal Policy
Optimization

Samuel John Miller
Object Tracking in Multistatic Millimeter
Wave Radar Networks

Julia Milton
(February, 2020)
(See also S.M., Technology and Policy
Program)
Technical and Policy Considerations of
Sensor-Based Decision Aids

Christian Donovan Montgomery
Decentralized Resource Allocation for
Synchronized Tasks Through Adaptive
Large Neighborhood Search (ALNS)

Rachel E. Morgan
(February, 2020)
Optical Modeling and Validation for the
Deformable Mirror Demonstration
Mission

Dylan Toshinari Muramoto
(See also S.M., Technology and Policy
Program)
Tailorability-Focused Recommendations
for United States Air Force Software
Acquisition Policy

Golda Minh Ý Nguyen
Evaluating the Use of Wearable Inertial
Measurement Units for Telemedicine
Applications

Uyiosa Mark Oriakhi
(February, 2020)
(See also S.M., Technology and Policy
Program)
A Stochastic Life Cycle and Greenhouse
Gas Abatement Cost Assessment of
Renewable Drop-in Fuels

Aleix Paris i Bordas

Control and Estimation Strategies for Autonomous MAV Landing on a Moving Platform in Turbulent Wind Conditions

Cadence Brea Payne

Auxiliary Sensor Package for Characterizing Aurora with the AERO and VISTA CubeSats

Tianyi Peng

(February, 2020)
Multiparty Quantum State Discrimination

Rachel E. Price

Assessment of the Expert Locomotive Engineer's Mental Model through Expert-Novice Interactions

Vaishnavi Ramaswamy

Development and Application of Transition Detection Using Infrared Thermography for Characterization of Fan Blade Waviness Effects

Michael Sebastian Schmid

Model-Based Certification of Automated Vehicles

Chockalingam Senthilnathan

(September, 2019)
Shear Shock Evolution in Soft Solids

Noah Wittel Siegel

Silicon Wafer Integration of Ion Electro-spray Thrusters

Alexandra Nicole Straub

Expanded Tradespace Analysis and Operational Considerations for Reconfigurable Satellite Constellations

Kieran Leif Strobel

(February, 2020)
Experimental Characterization of Surface Integrated Electroaerodynamic Thrusters

Jeremy P. Stroming

Design and Evaluation of Elements of a Life Support System for Mechanical Counterpressure Spacesuits

Soumya Sudhakar

Balancing Actuation Energy and Computing Energy in Low-Power Motion Planning

Geoffrey Karl - Georg Svensson

Analysis of a 1D Scramjet Model

Jessica Eve Todd

(September, 2019)
Commanding Small Satellites for Simulated Spacecraft Inspections Using Augmented Reality

Carmen-Ioana Ursachi

Output-Based Adaptive Meshing for Higher-Order FEM RANS Solutions on a Multi-Element Airfoil

Amy Ruth Vanderhout

Synthesis and Mechanical Characterization of Aligned Carbon Nanotube Metal- and Carbon-Matrix Nanocomposites

Kevin K. Wang

Airline Revenue Management with Dynamic Offers: Bundling Flights and Ancillary Services

Lingmiao Wang

(See also M.B.A., Course XV)
Optimizing Thermal Spray Quality Verification in FAA Repair Station Specializing in Rotating Components

Zhishen Wang

(September, 2019)
Quantitative Policy Analysis for Aviation Biofuel Production Technologies

Nicholas David Wilde

Optimization and Prototyping of a Surface-Integrated Electroaerodynamic Thruster

Yeyuan Xin

Coronagraphic Data Post-processing Methods using Projections on Instrument Eigenmodes

Zehao Yu

Towards Location-Awareness in Next Generation Wireless Networks: A New Approach Based on Channel State Information

Yiyun Zhang

Pulsed Nanosecond Dielectric Barrier Discharge in Nitrogen at Atmospheric Pressure

Master of Engineering in Biomedical Engineering**Course XX-P**

Department of Biological Engineering

Tarun Vinod Kamath

(See also S.B., Course IX)
Tau Aggregation is Heterogeneous Across Cases of Sporadic Alzheimer's Disease and is Influenced by Autophagy Pathways *in vitro*

Samantha M. Leff

(September, 2019)
Development of a Microfluidic Droplet System for Immune Cell Multiplexing Experimentation

Master of Science in Biological Engineering**Course XX**

Department of Biological Engineering

Nicole Ann Oliver

(See also M.B.A., Course XV)
Developing a Robust Harvest for High Cell Density CHO Cell Culture

Master of Science in Nuclear Science and Engineering**Course XXII**

Department of Nuclear Science and Engineering

Saleem AbdulFattah Ahmed Al Dajani

(February, 2020)
Non-Destructively Detecting Spinodal Decomposition at a Distance: Towards Developing Gigahertz Ultrasonics for In-Vessel Inspection

Dakota Jay Allen

Impact Assessment for the MIT Research Reactor Low Enrichment Uranium Fuel Fabrication Tolerances

Brian Scott Casel

(February, 2020)
Improved Turbulent Lift Momentum Closure for Multiphase Computational Fluid Dynamics

Zhiyuan Cheng

Safety Analysis of a Compact Integral Small Light Water Reactor

Nicholas Anthony Costa
Physical Specifications and
Measurements of the MIT Graphite
Exponential Pile

Minh A. Dinh
Hydrogen in Transition Metal Doped
Transparent Conductive Oxide SnO₂

Zhuoran Han
(February, 2020)
Performance Analysis of Functional
Expansion Tallies on 2D PWR Pin Cell

Anupam Jena
Wettability of Candidate Accident
Tolerant Fuel (ATF) Cladding Materials
in LWR conditions

Alexander Jerome Sandberg
(September, 2019)
Shielding Design for the Time-resolving
Magnetic Recoil Spectrometer (MRSt) on
the National Ignition Facility (NIF)

Zachary Skirpan
Multiphase CFD Benchmark of
Experimental Critical Heat Flux Data at
PWR Operating Conditions

Enrique Velez Lopez
(February, 2020)
(See also M.Eng., Course I-P)
Is Embedding the Reactor Building
Below Grade a Cost-Effective
Proposition?

**Master of Applied Science in
Supply Chain Management**
*Program in Supply Chain
Management*

Bilal Ahmed

Sherif Alhalafawy

Laura Silvana Allegue Lara

Tala Muneer Alnajdawi

Wassim Aouad

Venkateswararao Bandaru

Ashley Ann Barrington

Sireethorn Benjatanont

Henrique Berbel Pedreira

Angelica Odilia Bojorquez Aispuro

Santiago Botero López

Jamica Baltazar Brillante

Adam R. Buttgenbach

Analiz Cabrera Hernández

Yuchen Yvonne Cao

Justin Patrick Casey

Muhammad Salman Chaudhry

Haiyin Chen

Colleen Grace Copley

Catherine Eileen Dame

Huong Thi Dang

Vijay Krishnan Dasan Potty

Vu Bich Nga Doan

Emilio Dolci

Fedor Egorov

Brett Anthony Elgersma

Kristian From

Sara Viviana Gallo Orjuela

Nikhil Ganapathi

Christian Alfonso Gatmaitan

Gina Markette Gerhart

Abhinav Goyal

Elizabeth Shree Raman Grubbs

An Qi Hao

Yuto Hashimoto

Abdelrahman Ayman Osman Hefny

Christoph Friedrich Herrmann

Xuefang Hu

Libin Huang

Yan Huang

Sae Pil Jung

Sohyun Jung

Andrew Kerr

Gabriela Isabel Lamas Oporto

Yoon-Joo Lee

Israel López Jiménez

Lu Lu

Jesús Gabriel Madrid

Katharina Constanze Mangan

Sundeep Mathur

Tarso Dantas de Melo

Andrew Lee Min

Katherine Gail Nowadly

Anthony Vincent Orr

Anais Ortega Camacho

Ni Pan

Carlos Yohan Rafavy

Henrique Ribeiro Carretti

Mahmood Ahmed Abdelhamid Serry

Liam Charles Sharkey

Hari Kishan Sharma

Sadia Rahman Shathi

Luiz Paulo Silva Barreto

Alessandro Silvestro

David L. Sokoloff

Sindhu Srinath

Jamie Alison Sweeney

Amr Mohammad Taiyeb

Dylan Francisco Tantuico, Jr.

Jamal Taylor

Trevor Nathan Thompson

James Alan Vasa

Ezra Jacob Weisel

Lisha Morlen Yangali Del Pozo

Zhehao Yu

Gaohui Zhang

Mei Qing Zhang

Master of Engineering in Supply Chain Management

Program in Supply Chain Management

Saikat Banerjee

E-commerce Based Closed-Loop Supply Chain for Plastic Recycling

Ngan Ngoc Chau

Intermittent Demand Forecasting for Inventory Control: The Impact of Temporal and Cross-Sectional Aggregation

Matthew James William Dale

Linking Payment Terms and Lead Times

Ye Ma

Human-Machine Teaming for Intelligent Demand Planning

Michael Sean Smith

Closing the Gap Between Information and Physical Flows in a Digital Transformation

Wei Jie William Teo

A Natural Language Processing Approach to Improve Demand Forecasting in Long Supply Chains

Master of Science in Computation for Design and Optimization

Program in Computation for Design and Optimization

Angus Foo

(February, 2020)

Contributions to Automatic Meshing in the AMORE Scheme

Nikhilesh Ghanta

Meta-Modeling & Optimization of Computational Fluid Dynamics (CFD) Analysis in Thermal Comfort for Energy-Efficient HVAC Systems

Wael Hajj Ali

(September, 2019)

Dynamically Orthogonal Equations for Stochastic Underwater Sound Propagation

Evan Keefe Massaro

Modeling CMS Tier-0 Compute and Network Resource Needs

Gin Kaijing Ong

Short-to-Medium Term Dengue Forecast in Singapore

Tony Tohme

The Bayesian Validation Metric: A Framework for Probabilistic Model Calibration and Validation

Pengbo Zhang

(September, 2019)

Learning Model for Forecast Information Sharing

Master of Science in Engineering and Management

Program in System Design and Management

Patricia Arnal Luna

Policies Affecting NetZero Transportation Costs, Consumer Behavior, and Change in GHG Emissions.

Siddharth Bajpai

(February, 2020)

Planning Large-Scale Agile Development Using a Dependency Structure Mapping Model

Nikita Bansal

Enabling the Enablers: Transforming the Lives of Middle-Age Indian Mothers

Ahmed Bilal

(September, 2019)

Using Learning Analytics to Evaluate Design Changes in MOOCs: A Case Study on Assessing Course Pacing

Badrul Bilal

Architecting the Future of a Global Automobile Supplier: A Socio-Technical Perspective

Sofia Blumenweig

From Pastime to Purpose: Design for the Elevation of Creative Hobbies

Dextina A. Booker

(See also S.M., Course II)

The Future of Fashion & Human Gesture Control: Exploration of a Wearable Communication Device for Sign Language Speakers

Helena Briones Panadero

Analysis of the Car Seatbelt Design. A Study of the Invention and Proposal to Minimize the Risk of Injuries During Pregnancy

Michael Christopher Brown

Technology Roadmapping and Design Optimization of an Innovative Mineral-Organic Adhesive for Bone Repair

Luciana Bueno Gomez

Designing Creative Learning Experiences for Teachers

Chinh Thi Diem Bui

A Study of the Challenges faced by FDA-Regulated Early-Stage Medical Device Startups and How to Approach Them.

Shelley Claire Chan

Comparing Urban Data Governance Policies

Hongling Chen

(See also S.M., Course II)

A Vascular Imaging System for Longitudinal Registration and Mapping of Superficial Vessels with Quantitative Analysis

Zhiyu Chen

(February, 2020)

Energy Transition in Singapore: A System Dynamics Analysis on Policy Choices for a Sustainable Future

Kelly Ann Chiverton

(February, 2020)

Framework for Selecting a System Design Approach

Lisa Crofoot

Management of Cross-Team Interfaces in Large-Scale Agile Development

Qiang Cui

(February, 2020)

Use of Machine Learning in Radio Frequency Integrated Circuits (RFIC) Development

Andrew James Cunningham

Case Study for Populating a Two Sided Platform

Thomas Andrew Deeter

(See also Naval E., Course II)

Creating a Shipboard Power Simulation Tool Using Electrical Load Behavior Modeling

Sofiane Djeflal

Adaptive Defense Against Adversarial Artificial Intelligence at the Edge of the Cloud Using Coevolutionary Algorithms

Oladipupo Doherty

Data Literacy in the Digital Age: Experience Design for a Workplace Learning Solution

Nicholas Henry Dowmon

(February, 2020)
A Generic Framework for Detecting Interpretable Real-Time Anomalies in Network Traffic Data

Vikas Reddy Enti Ranga Reddy

A Systems Analysis and Technology Roadmap for Fall Mitigations Systems for the Elderly

Ameneh Fadaie

Exploration of Consumer Responses to Organic Food Pricing

Adèle Eve Maire Ferrazzini Cadario

Managing Environmental Risks with Flexibility: Case of Phosphate Fertilizer Industry in Morocco

Vedavinayagam Ganesan

(September, 2019)
Digital Transformation and Its Influence on Platform Business

Avinash Gulabrao Ghorpade

Investigating Roadblocks to Artificial Intelligence Adoption in Enterprises through a Systems Perspective

Nava Haghighi

(See also S.M., Course VI)
Self-Interfaces: Utilizing Real-Time Biofeedback in the Wild to Elicit Subconscious Behavior Change

Emily Jane Hsu

(See also S.M., Course II)
Design of a Measurement Device for Bread Dough Proofing

Samip Jain

An Inclusive Design Framework for Autonomous Vehicles to Create Valuable Experience for Elderly

Umesh Jain

(February, 2020)
Digital Health Innovation & Commercialization Framework

Robin Jha

(February, 2020)
Analyzing the Impact of Digital Transformation on Business

Damon Jones

Real Time Demand Forecasting for Dynamically Optimizing Satellite Communications System

Vivek Venkata Kalluru

(September, 2019)
Ultra-Low Noise and Low Temperature Drift Power Supply System Design for RF Applications

Takuya Kashimura

(February, 2020)
Mathematical Analysis of Uncertainty in Machine Learning and Deep Learning

Aaron Kelly

(February, 2020)
Architecting the Future National Security Space Domain Awareness Acquisition Enterprise

Yashashree Kokje

Privacy Preserving Genome-wide Association Studies

Sabira Lakhani

Designing for Human Behavior to Enable Circular Packaging

Jennifer Chung Yan Leung

(February, 2020)
Design Ethics

Donald Kai-Kean Lew, Jr.

Applying an Uncertainty-Based Acquisition Strategy Framework to Select An Appropriate Approach for New Product or System in the Military

Blanca L. Foncillas

The Future of Retail

Dai Lin

Access With(out) Judgment

Michael Kaiping Liu

(See also Naval E., Course II)
Beamforming Performance Enhancement by Adaptive Hyperbola Array Shape Estimation

Christopher Noel Lloyd

Experimental Feedback Interfaces for Consumer Activity Tracking Wearable Devices

Paulo Francisco Lopez De La Toba

(September, 2019)
A New Approach to Prevent Accidents in the Steel Industry

Eugene Daniel McGuinness

(September, 2019)
Systems Architecting the Future of U.S. Coast Guard Operational Logistics: A Framework for Enhancing Mission Support Responsiveness

Lok Yee Melody Mui

(February, 2020)
Human-Centered Fashion: From Scratching to Selling

Tiago Murbach Koga

Technology Elasticity: Demand Impact on the Commercial Success of Regional Aircraft.

Koji Nakashima

The Project of Sharing Economy in Lodging in Tokyo and NY

Patrick Sean O'Reilly

(February, 2020)
Architecting the Enterprise to Manage Innovation

Larisse-Ann Yee Ortiz-Luis

(See also M.B.A., Course XV)
Designing Effective Strategies to Accelerate Consumer Adoption of Alternative Proteins

Evan Hartley Platt

An Exploration of Spinal Care Injury Treatment: Opportunities to Improve Functional Recovery and Independence for Patients with Incomplete Spinal Cord Injuries

Yiyuan Qin

Design for Community Resilience in the Age of Disasters: A Case Study in Puerto Rico

Gokul Prasath Rajamanickam

A Multispectral Imaging Method and Device to Detect and Quantify the Presence of Fluid in the Middle Ear to Facilitate the Diagnosis and Triage of Ear Infections

John Bishop Ravenel

Rhetorical Fractures: Designing for Social Movement Growth Using Ancient and Contemporary Tools

Ajay Siva Rayasam

Predicting At-Risk Students from Disparate Sources of Data

Priyanka Ray Barua

(February, 2020)
Humanistic Co-Design of a Solution for the Rehabilitation of Children suffering from Cortical Visual Impairment.

Jairo Ernesto Rodríguez Tovar

Sustainable and Inclusive Last-Mile Transportation for Developing Countries

Keran Rong

System Design and Optimization of an Aerial Refueling System for Transcontinental Flights

Michael Louis Sapienza

(September, 2019)
Analysis of Energy Delivery Sector Malware Attack Response Mechanisms

Pankhuri Sen

(February, 2020)
(See also S.M., Technology and Policy Program)
A Smart Diaper Wetness Detection Sensor: Concept, Design and Ethical Considerations

Sarabjeet Singh

E-commerce Platforms and Business of Selling Groceries Online

Hannah M. Slominski

Using STPA and CAST to Design for Serviceability and Diagnostics

Yuki Soeda

Analyzing the Future Architecture of High-Speed Railway Maintenance in Japan

Ryuichi Takagi

An Approach to Developing a Resilient High-Speed Rail Enterprise Architecture Through Digital and Human-Centralized Transformation

Yasutsugu Tamura

Investigating the Impact of Technology Progress on the Future Architecture of Japanese Space Enterprise

Brendan Weijian Tan

(February, 2020)
Countering Disinformation: Using Systems Thinking to Develop an Integrated Approach

Javier Treviño Ruiz

A Survey of Human-Centered Design Methodologies for a New Hybrid Approach in Product and Experience Innovation

Daniel Xavier Valderrama

Rider Multihoming in the Rideshare Market

Ramaa Venkatachari

Maternal Mental Health and Child Outcomes: A Human-Centered Design Perspective on Preventive Mental Health Care

Anping Wang

Analyzing on How Short-Video Social Media Influence Decision-Making Process

Juliet Wanjiru Wanyiri

(See also S.M., Course II)
Structural and Aesthetic Design Applications of Flexible, Thin-film Solar Cells to Power Off-Grid Tensile Structures

Daniel Arthur Wollin

(February, 2020)
Motion Analysis of Flexible Ureteroscopic Techniques by Urologic Surgeons

Ming-Hui Wu

Case Study for Next-Generation Augmented Reality Device

Xiaoyu Yan

Newsonomics: Business Model Innovations in News Media Organizations

Kevin Yu

Innovation Processes & Culture on Financial Impact

Tamara Miller Zaichkowsky

(February, 2020)
Digital Transformation of Global Banks

Jiani Zeng

(February, 2020)
Expend Material Presence to Material Experience with Volumetric Thinking – Voxel Based Multi-Material Printing in Designing Objects

Bin Zhou

Volatility Trading System Design with Scaling Risk Management

Master of Science in Health Sciences and Technology

Program in Health Sciences and Technology

Davi Eric da Silva

(February, 2020)
Human Strategies for Manipulation of Physical Objects with Complex Dynamics

Master of Science in Technology and Policy

Institute for Data, Systems, & Society

Wajeeda Ahmad

(September, 2019)
The Anonymity-accountability Trade-off in Communication Networks

Lawrence Mark Baker

(September, 2019)
Blood Glucose Management in the ICU

Charles William Chimento III

(See also S.M., Course VI)
Innovation in the US Air Force

Anna Christine Evans

A Framework for Assessing the Value of Flexibility in Electricity Network Investments

Tomas Wesley Green

Distributed Household Effects of Climate Policy in the United States

Andrés Inzunza Besio

Distributional Effects of Net Metering Policies and Residential Solar Plus Behind-the-meter Storage Adoption

Hazal Mine Kansu

(September, 2019)
Artificial Intelligence Impact on Occupations and Workforce

Xavier Paul Lister Lavenir

(September, 2019)
The Strategic Design and Environmental Footprint of Highly Responsive Urban Distribution Networks

Pedro Manuel Maddens Toscano

Impacts of Airports on the Quality of Life of Surrounding Communities

Julia Milton
(February, 2020)
(See also S.M., Course XVI)
Technical and Policy Considerations of
Sensor-Based Decision Aids

Dylan Toshinari Muramoto
(See also S.M., Course XVI)
Tailorability-Focused Recommendations
for United States Air Force Software
Acquisition Policy

Benny Siu Hon Ng
(See also S.M., Course VI)
A Machine Learning Approach to
Evaluating Renewable Energy
Technology: An Alternative LACE Study
on SolarPhoto-Voltaic (PV).

Uyiosa Mark Oriakhi
(February, 2020)
(See also S.M., Course XVI)
A Stochastic Life Cycle and Greenhouse
Gas Abatement Cost Assessment of
Renewable Drop-in Fuels

Bora Ozaltun
(See also S.M., Course VI)
Learning from Supply Shocks in the
Energy Market: Evidence from Local
and Global Effects of the Shale
Revolution

Sohum Parag Pawar
Resilient Decarbonization for the United
States: Lessons for Electric Systems from
a Decade of Extreme Weather

Iván Rudnick García
(September, 2019)
Incorporating Renewables into India's
Electric Power System by 2037: Evaluate
Emissions and Total Costs of Different
Pathways That Meet the Government's
Long-term Goals

Pankhuri Sen
(February, 2020)
(See also S.M., Engineering and
Management)
A Smart Diaper Wetness Detection
Sensor: Concept, Design and Ethical
Considerations

Master of Science in Transportation

Matthieu Etienne Antoine Crepy
Course I
Leveraging Public Transit for Robust
Last-Mile Distribution

Samarth Gupta
Course I
(February, 2020)
Adversarial Robustness of Deep
Learning Models: An Error-Correcting
Codes based Approach

Anne Woodbridge Hudson
Course I
(See also M.C.P., Course XI)
Where to Next? Analyzing Livability and
Accessibility in the Later Stages of Life

Jonathan Hoagland Leape
Course XI
(See also M.C.P., Course XI)
Winning the Housing Lottery in Rio de
Janeiro: Curse or Cure?

Jintai Li
Course I
(September, 2019)
(See also M.C.P., Course XI)
Future Transit Service for a Broader User
Base: Demand Analysis of Hypothetical
Autonomous Vehicle Mobility Services
Using a Stated Preference Approach

Baichuan Mo
Course XI
(See also S.M., Course VI)
Network Performance Model for Urban
Rail Systems

Alexander Papen
Course I
Competitive Impacts of Continuous
Pricing Mechanisms in Airline Revenue
Management

Mark Perelmuter
Course XI
Quantifying Passenger Impact of
Disruptions on Metro Lines

Akash Bharat Raigangar
Course I
(February, 2020)
Evolution of Low-Cost Airlines in
Different Global Regions

Maud Sophie Sindzingre
Course XI
(September, 2019)
Detecting and Quantifying Bus
Operation Impedance: the Balance
between Reliability and Speed

Abigail Joanne Smith
Course I
Framework for Establishing Asset
Visibility and Traceability of Medical
Devices

Qing Yi Wang
Course I
Extraboard Scheduling in the Transit
Industry

Naval Engineer Course II *Department of Mechanical Engineering*

Jason Barnell Barker
(See also S.M., Course II)
Automated Decision Making for
Operations within a Traffic Separation
Scheme Using MOOS-IvP

David Paul Baxter
(See also S.M., Course II)
Toward Robust Active Semantic SLAM
via Max-Mixtures

Thomas Andrew Deeter
(See also S.M., Engineering and
Management)
Creating a Shipboard Power Simulation
Tool Using Electrical Load Behavior
Modeling

Charles Hayden Hasenbank
(See also S.M., Course II)
The Design, Feasibility and Cost
Analysis of Sea Barrier Systems in
Norfolk, Virginia and the Comparative
Cost of Shoreline Barriers

Austin Robert Jolley
(See also S.M., Course II)
Design, Construction, and Analysis of a
Modular Ship Model and Open-Source
Autonomous Surface Vehicle

Michael Kaiping Liu
(See also S.M., Engineering and
Management)
Beamforming Performance
Enhancement by Adaptive Hyperbola
Array Shape Estimation

Tikhon James Ruggles
(See also S.M., Course II)
Electronics First: Development of a Basic
Electronics Course of Study for Naval
Engineers

Brian Asanuma Stanfield
(See also S.M., Course II)
Incorporating Contact Management and
Marine Dynamics in Decentralized
Auction Bidding for Autonomous
Surface Vehicles

SLOAN SCHOOL OF MANAGEMENT

Master of Business Administration

Course XV-A (Sloan Fellows)
Sloan School of Management

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Tomoki Fujisaki

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Sherif Mohamed Hussein Yehia
Abdelgayed

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Hiroyuki Ishii

Takanori Kakishita

Pefita Agustin Kam

Moko Laurence Kamdem

Benjamin Ross Keffer

Vadim Keffler

Akhil Khanna

Jae-Sung Kim

Ji Hong Kim

Jongwoong Kim

Jun Hwa Kim

Rahul Kohli

Ashish Kumar

Reo Kusaka

Antonio Augusto L'Amour Federico

Christopher S. Laughlin

Angela Dawn Lawson

Deploying the Right Technology: A
Framework for Digital Strategy and
Selection at the United States Postal
Service to Shape the Future of Work

Michael William Maizels

Alfredo Martínez Guzmán

Atsushi Matsui

Daniel Mendelzon

Anatole Sebastian Menon-Johansson

Kyriakos Metaxas

Maike Minzoni

Manoj Kumar Mishra

Renata Moreira Hourneaux de Moura

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Mieko Ono

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Xu Qingyang

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Nelson Henrique Soares Sampaio

Kwangdeuk Sohn

Ian Jonas Spector

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| Masato Sugizaki | Ian E. Brynjolfson | Benjamin Gardiner Hardy |
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| Karen Marie Tilli | Antony Chu | Robert Grant Hill |
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| Tasuku Toyama | Thomas John Colatosti, Jr. | Sarah Marie Hyder |
| Jacob Dean Trapp | Michael Dale Connolly | Felipe Jaramillo Jaramillo, Sr. |
| Hiroki Tsuchimoto | Michelle M. Davidson | Amardeep Kaur Jenkins |
| Galina Umarova | Joseph Marc Abay de Veyra | Mohiuddin M. Khan |
| Jose Luis Valdovinos Larragain | Pradeep Dinakar | Ivana Kyung Kim |
| Thierry Xavier van Eyll | Amanda Jean Doremus | Krikor Magardich Kirkorov |
| Zubin Rustom Wadia | Sarita Rani Dua | Lisa Eyami Kirsic |
| Hiroki Watanabe | Catherine Dukeman - Makstenieks | Matthew Paul Knott |
| Jeffrey Bowman Wigh | Rosana El Sayed | William Lund Kwon |
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| Juliana Noriko Yamada | Paul F. Fagan | Philippe Larochelle |
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| | Erika Lea Gianni | Gene Mak |
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| | Michael Sean Glazier | Kentaro Matsumoto |
| | Kushal Gohil | Brendan Joseph McCarthy |
| | Ingrid Goldberg | Daniel Scott McClelland |
| | Seyed Koosha Golmohammadi | Steven G. McCulloch |
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| | Aaron L. Greenwald | Kaushal B. Mehta |
| | Kelly Lynn Gross | Alexandre Meira da Rosa |
| | Gita Pradeep Gupte | Amir Michel Barsoum Mikhail |
| <u>Master of Business Administration</u> | | |
| Course XV-E (Executive) | | |
| <i>Sloan School of Management</i> | | |
| Muthla Bader Alsayer | | |
| Taimur Aslam | | |
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| Mark Stephen Banner | | |
| Stephen Gregory Barr | | |
| Nate William Bechtel | | |
| Daniel Becker Feldman | | |
| Navneet Behl | | |

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| Ambrish Mody | Colleen Marie Stadelmann | Avery Sloan Alchek |
| Mitra Mosharraf | Mariah C. Stein | Paula Alemany Ripoll |
| Nay Naing | Susan Bose Stempel | Rebecca Rae Allen |
| Barada Kanta Nayak | Jason R. Strebe | Muneef Majed AlMuneef |
| Judith W. O'Connell | Andrew John Surwilo | Adam Alon |
| Jinyong Oh | Dmitri Tcherevik | Ali Said Alrayes (See also S.M., Course VI) Transmission System Overvoltage Mitigation Through the Use of Distributed Generation (DG) Advanced Inverters |
| Daniel Aaron O'Hara | Ponnarathneary Ting | Ethan Lalakea Alter |
| Timothy D. O'Neill | Eleni Anastasia Tousimis | Ankur Mukesh Amlani (See also S.M., Course II) Floor Entry Task Prioritization for Highly Automated Fulfillment Centers |
| Michael Anthony O'Sullivan | Sarah Little Jane Trice | Felipe Ángel Macía |
| Manju Max Palakkat | Anuj Tyagi | Ruhani Arya |
| Vanteya Amit Vikram Pandit | Vassilios Valayannopoulos | Takehiro Asakura |
| Adeyemi Oluwaseun Paul-Taiwo | Erez Vigodman | Janice Bae |
| Albert Pérez Baucells | Ruth Ann Vleugels | Elizabeth Noyes Bagley |
| Friedemann Rolf Pfeiffer | Ying Wang | Leo Anthony Bonfanti Balsom |
| Prashanth Prasanna | Zheng Wang | William Alan Barber, Jr. |
| Rajesh Rajan | Matthew Williams | Olivia Anne Baribeau |
| Ananthi Rathinam | Manuela Leah Faye Silverstein Zoninsein | Aaron Davis Baskerville-Bridges (See also S.M., Course X) Computation and Predictive Modeling to Increase Efficiency and Performance in Cell Line and Bioprocess Development |
| Kristin S. Riley | | Brooke Emily Baumgartner |
| Susan Rivas | | Michael Joseph Reyes Bautista |
| Americo Rodriguez, Jr. | <u>Master of Business Administration</u> Course XV <i>Sloan School of Management</i> | Ajay Bawa |
| Kevin Michael Roepke | Robert James Addy (See also S.M., Course II) Cost of Complexity: Mitigating Transition Complexity in Mixed-Model Assembly Lines | Audrey Bazerghi (See also S.M., Course I) Inventory Modeling for Active Pharmaceutical Ingredient Supply Chains |
| Sebie Abdulrahman Salim | Rahul Agarwal | John Thomas Behrens |
| Anh Vu Sawyer | Lillan Marie Agerup | Alexandra Rachel Beizer |
| Cecilia Scanlon | Adam Agustin Aguilera | |
| Matthew John Schleiffarth | Nafees Ahmed (February, 2020) | |
| J. Philipp Schmidt | Olutosin Akinyode | |
| Prem Sadanand Shekar | Anisha Alahari | |
| Andrew J. Shin | Arwa Albaadi | |
| Prakash V. Shukla | | |
| Andrew Kyle Simpson | | |
| Catharine Chloe Smith | | |
| Michael Alan Solomon | | |

| | | |
|---|---|---|
| Thomas Joseph Belton | Siddhanta Chaudhary | Vivian Dai |
| Hadar Grader Ben Ari | Anjuli Cheema | Lea A. Daigle (See also S.M., Course II) Organizational Architecture Design and Assessment of Statistical Feasibility for FSDA Implementation in an Airplane Subassembly |
| Maria Leonor Bensusan da Gama Lobo Xavier | Andrew Chen | |
| Andrea Bettale | Xiaoying Sheryl Chen | |
| Larissa Cavalcanti Bezerra Abreu | Yiwei Chen | Or Dan (See also S.M., Operations Research) Improving Prior Knowledge Assessment in Process Characterization |
| Anshul Bhide | Kevin Alexander Cheung | |
| Cristina Margaret Bleicher | Wei-Ling Chiang | Kyle Ricardo Danner (See also S.M., Course II) Utilizing Automated Inspection to Identify Surface Quality Defects within the Automotive Body Assembly Process |
| Rachel Alice Blum | Brendon W. Chiu (See also S.M., Course II) Additive Manufacturing Applications and Implementation in Aerospace | |
| Benjamin David Boutboul | Tzer-yen Chow | Durgesh Das (See also S.M., Course VI) Assessing Sales Floor Capacity and Replenishment Strategy |
| Yann Michel Yves Marie Boyeldieu | Jeffrey Bowen Chu (See also S.M., Course II) Investigating the Feasibility and Impact of Integrating Wire-Arc Additive Manufacturing in Aerospace Tooling Applications | Shouvik Das (See also S.M., Course I) Multi-Echelon Supply Chain Design for Amazon Private Brands |
| Casey Alex Boyle (See also S.M., Course II) Process Enablers for Successful Reverse Engineering inside Large Organizations | Jonathan David Chu | |
| Allison Rose Brouckman | Brittany Elizabeth Churchill | Kristell Mariette Anne Dauphin |
| Carolyn Irene Brown | Santiago Clara | Monique Claire Davey |
| William Brower Brundage | Cameron Cler | Cara Maureen Davis |
| Jeffrey Michael Bryan | Donald Mateo Coates (See also S.M., Course II) Integrating Agile within Complex Hardware Development via Additive Manufacturing | Matthew Souma Deane |
| Julia Elizabeth Burkett | Guillermo Colell Brandan | Martin de la Herran Oyarzun |
| Caitlin Mary Butala (See also S.M., Course II) Connected Factory: Real Time Data Analysis for Manufacturing Efficiency | Ellen Coleman (See also S.M., Course II) Establishment of a Novel <i>Pichia Pastoris</i> Host Production Platform | Pablo Del Pozo Arance |
| Christine Michiko Santiago Cabigao | Caroline Regina Constable (February, 2020) | Harsh Ameet Desai |
| Matthew S. Cabrera | Alessandro Conti | Romain de Saint Périer |
| Carla Cafici | Emiliano Conti | Fatima Zahraye Diallo (See also S.M., Course II) Using Discrete-Event Simulation to Increase System Capacity: A Case Study of an Assembly Plant |
| Colin Ian Cain | Anna Helen Coonrod | Borja Domínguez Mouriz |
| Lindsay Lorraine Calderón | Melanie Grace Cornell | Genevieve Claire Dukes |
| Anais Gabriela Callejon | Bryan Cortes | Tyson Samuel Eberhardt |
| Ignacio Campos Sainz | Hugues Coruzzi | Filippos Economou |
| José Renato Paiva Carvalho | Antonio da Cunha Gonçalves Prado | Eric Scott Eliasson |
| Benjamin John Isaac Celermajer | | Itzhak Elyahou |
| Mimi Qu Chan | | Mandy Leigh Epstein |
| Evan Philip Chapman | | |
| Lindsey Tumperi Chapman | | |

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| Álvaro Javier Escolán Aguilar | Glen Michael Gregory | Samuel Garvey Johnson |
| Winston C. Esposito | Gerardo Guadiana A Netflix Experience: Reimagining the Direct-to-Consumer Platform | Felipe Jorquera |
| Miquel Ferrer Gomez | | Sahil Vivek Joshi |
| Armando Ignacio Flores Mendoza | Emily Yi-Chieh Guo | Bhuvit Jotikasthira |
| Ka Wing Fung | Nadim Amine Hachem | Nicholas Makari Judson |
| Heather Rose Furman | Rebecca S. Hammer | Nalaka Kanishka Bandara Kahawatte (See also S.M., Course I) Digital Business Model Development and Validation for Real-Time Monitoring Solution for Electrical Power Transformers |
| Khira Divol Gabliani | Guannan Han | Harry Kleinberg Kainen |
| Vaishali Gadhok | Monica Francesca Harnoto (See also S.M., Course I) Value of Distribution-Level Reactive Power for Combined Heat and Power Systems | James Benjamin Kalin |
| Nicolai Valentino Gamrasni | | Ravitej Reddy Kanapuram (September, 2019) (See also S.M., Course II) Using Data Science and Model Based Systems Engineering to Design and Operate Production Systems |
| Jaime García González | Seth Tohn Harper | Evgenia Karelina |
| Mariana Garcia-Valdecasas Dorrego | Meaghan Deborah Hartman | Nishith Kaushik |
| Brian Gabriel Gaudio (See also S.M., Course II) Assessing the Impact of Historical Operational Data from Complex Assets on Predictive Maintenance Models | Denton Xiang He (See also S.M., Course II) Distribution and Replenishment Optimization between Locations of High and Low Real Estate Cost | David Fredrick Pongrass Kaye |
| Ernesto Gaxha | Clare Deborah Herceg | Liliana Rose Kennedy-Paesler |
| Efewongbe Keyirokome Gboneme (February, 2020) | Igor Brenner Hernandez Neves | Adil Ahmad Khan |
| Jeffrey Georgatos, Jeff Georgatos | Chanelle Nicole Herring | Celi Lindiwe Khanyile-Lynch |
| Noa Ghersin (See also S.M., Course II) Improving Asset Utilization and Manufacturing Production Capacity Using Analytics | Itay Himelfarb | Mary Njoki Kiarie |
| Dipayan Piku Ghosh | Christina Cheing Ho | Laura Sue Kier |
| Garoon Jordan Gibbs-Racho | Wan Ching Ho | Ellena Kim |
| Alejandro León Gimeno Sanz | Christiana Michelle Hollis | Katherine J. Kim |
| Matteo Gobbi | Dmytro Holovchuk | Peter Hyunjoong Kim |
| Nigel Min Feng Goh (See also S.M., Course II) Applications of Risk Pooling for the Optimization of Spare Parts with Stochastic Demand Within Large Scale Networks | Nicholas Hong | Yong Min Kim |
| Amir Goldberg-Kidon | Emily Hsiao | Akshay Shailendra Kirtikar |
| Molly Gibbons Golinvaux | Justin Cheng-Yang Hu | Lisa Kondo |
| Carolina Alejandra Goncibat | Yosuke Inoue | Emma Rose Kornetsky |
| Anchal Goyal | Harshita Sriram Iyer | Katharine Shaer Krieger |
| Mauro José Granese Rosselli | Camille Jackman | Andrew Kuforiji |
| | Shuang Ji | Amit Kumar |
| | Zeyuan Jiang | |
| | Jared Ray Johnson | |
| | Kyle Thomas Johnson | |

Ketan Kumar
(See also S.M., Course X)
Product Management Framework for
the Development of Automation
Solutions for Biologics Drug Substance
Manufacturing

Tansaya Kunaratskul
(February, 2020)

Young Soo Kwon

Víctor Lafuente Aceituno

Hersh Lakdawala

Matteo La Naia

Jordan Riley Landis
(See also S.M., Course II)
Benchmarking Environmental Efficiency
of Garment Factories to Understand the
Value of Real-Time Environmental Data

Guillermo Larrucea Vinós

Victor Laurindo Horta Ferreira

Jaclyn Grace Leccese

Eric Tzy Jung Lee

Robert Lee

Thomas Bourne Lefevre

Ada Xiaoyuan Li

Dickson Li

Mu Li

Robert Yingzhe Li

Hai Viet Quoc Nam Nhu Lieu

Alec Glenn Lignitz

Maria Luisa Jimenez Lim

Ying-Jeng Lin

Robert Lindeen de la Fuente

Steve Tuekam Lionel

Mengjie Liu

Tuo Liu

Zihuai Liu
(See also S.M., Course I)
Artificial Intelligence Infrastructure into
Material Attributes Insights

Antonio Llorens

Sahejvir Locham

Alan Everett Long
(See also Ph.D., Course X)

Jay Michael Lopez-Braus

Hugo A. López Velarde Martínez

Alex Jeffrey Lough

Jane L. Lu

Jordan Logan Luft

Ingo Lupatelli

Stephanie MacConnell

Henrique Magalhães Soares

Ian L. Mahmud

Nakorn Manoonpong

Jens Marchewski

Laurel J. Marcus

Francisco S. Marino

Randall Chase Markham
(See also S.M., Course I)
Reducing Inventory through Supply
Chain Coordination in an Industrial
Supply Chain

Randall Markush-Hallman

Clara Sophie Marquardt

Victoria Barbara Martin

Maria Martinez Calazans Rodrigues

Alfonso Manuel Martinez Sanchez

David Anthony Mazza

Colin Alex McIntyre
(See also S.M., Operations Research)
Optimizing Inbound Freight Mode
Decisions

Connor Hamilton McLane

Matthew McLean

Emily Lauren Pogar Meade

Dhwani Mehta

Paul Meierling

Dana Mekler

Alessandro Melini

Thomas Collins Meyer

Brett Daniel Mills

Enric Guillermo Miralles Carretero

Lara Mitra

Kshitij Mittal

Alyssa Moledina

Filipe da Conceição Pereira Monteiro

Dante Edward Montgomery
(See also S.M., Course II)
Project-Based Manufacturing: An
Approach for Quote Development

Carl Moos

Michel Mosse

Akhan Mukhanov

Ananya Mukkavilli

Lorcan A. Murphy
(See also S.M., Course I)
Increasing E-commerce Distribution
Center Capacity Through Slotting
Strategy

Marjani Nicole Nairne

Erica Margaret Nangeroni

Mercy Kavivi Ndambuki

Anthony Mark Ndikum

Danielle Nedivi

Margaret Ellen Neff
(See also S.M., Course I)
Evaluating Modeling Techniques for
Quantifying Production Risk in Contact
Lens Manufacturing

Jeremy Binder Ney

Jamie Niu

Hans Antoon Nowak II
(See also S.M., Course II)
Strategic Capacity Planning using Data
Science, Optimization, and Machine
Learning

Camila Nunes Metello

| | | |
|---|--|--|
| Mohamad Jad Ojeh | Javier Dante Renna | Nathan Daniel Serota |
| Rea Candra Oktaviara | Kevin Grady Reynolds | Ishan Shah |
| Nicole Ann Oliver (See also S.M., Course XX) Developing a Robust Harvest for High Cell Density CHO Cell Culture | Arturo Alfonso Ricke Zegers | Jaina Shah |
| Chloe Artemis Orphanides | Ashley Victoria Rinere | Devon Bresler Shapiro |
| Larisse-Ann Yee Ortiz-Luis (See also S.M., Engineering and Management) Designing Effective Strategies to Accelerate Consumer Adoption of Alternative Proteins | Madeline Kirby Ripley | Sumit Kumar Sharma |
| Babette Josephine Christine Paping | Francisca Andrea Riquelme Fenner | Takuya Shimojo |
| Komal Ravindra Patel | Eric Thomas Roberts | Yasuhiro Shimozono |
| Kristofer Bryce Peck | Taylor Kirstyn Robinson (See also S.M., Course II) Leveraging Flexible Manufacturing in Streamlining New Product Launch Processes | Katherine Marie Shirrell |
| Walter Charles Peppelman III | Gabriela Romero Garibay | Vladislav Shraybman |
| Andrew B. Perlman | Daniel Morse Rosengard | Zeeshan Riaz Siddiqi |
| Hannah Michelle Phillips (See also S.M., Course I) A Data-Driven Approach to Continuous Improvement in Reverse Logistics | Ehud Rosenhand | Augusto Siguero Güemes |
| Jarrold Todd Pierce | Michael Columbus Ross (See also S.M., Course II) Reducing Variations in a Highly Constrained Environment in Order to Increase Production Capacity | Sharad Singhani |
| Victoria Anne Pisini | Robert Rovai | Tassuda Sirilerkkipat |
| Bidusha Poudyal (See also S.M., Course VI) Predictive Analysis of Installation and Operational Qualification Issues vs. Process Severity Events | João Pedro Wald Saad | Jegadeesh Sithamparathas |
| Evan William Alroy Powell | Matias Sahli | Ilan D. Slovin |
| Kushal Purie | Kittichai Salingkaleekul | Julianne Patricia Smith |
| Talía Quijano Mulanovich | Erica Sharyn Salmirs | Divya Sohal |
| Divya Raghavan | Alessia Olimpia Samaranch Bigelli | Kelsey Price Sommers |
| Matan Ravid | Amrita Sankar | Katherine Jean Soule |
| Joshua Reed-Diawuoh | Isaac Melquisedec Santos | Randy Stein (See also S.M., Course X) Process Intensification of <i>Spodoptera Frugiperda</i> (Sf) Cell Growth via Multi-Parallel Bioreactor System |
| Oliver Brian Regele (See also S.M., Course VI) Applied Discrete Event Simulation for Root Cause Analysis and Evaluation of Corrective Process Change Efficacy within Vaccine Manufacturing | Rukmini Sarkar | Brett Aaron Sternfield |
| Jason Matthew Rehhaut | David P. Sawyers | Emma Rose Stevens-Smith |
| Kelly Joan Ren | Jennifer Moffitt Schall (See also Ph.D., Course X) | Amanda Jo Stibel |
| | Steffen Werner Schmidt | Brendan Ferris Stiffle |
| | Cyrus David Schroeder | Aaron D. Stinnett |
| | Sarah Aliza Scolnic | Anjelaka Renee Stolte |
| | Andrew Jonathan Scott | Gregory S. Stoner |
| | Fernanda Ana Maria Seoane Magnasco | Christopher Gepe Strayer |
| | | Asia Meleyana Stuerznickel |
| | | Van-Anh Su |
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Sadaf Hajira Syed

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Yih Lin Teh

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Christie Ting

Christopher David Tinsley

Paul Toribio

Luis Eduardo Torres Robles

Georgia Boyd Travers

Timothy Tsang

Kazuki Tsuchiya

Adriane Ann Turner
(See also S.M., Course II)
Evaluation of Automated Storage and
Retrieval in a Distribution Center

Osaze C. Udeagbala

Anant Padmanabha Udpa

Lea Freeman Vavoules

Alfredo Enrique Vetencourt

Joaquin Visquert Pitarch

Daniela Maria Viteri

Stephen Kaapuni Wagner

Lingmiao Wang
(See also S.M., Course XVI)
Optimizing Thermal Spray Quality
Verification in FAA Repair Station
Specializing in Rotating Components

Katie Elizabeth Wartman

Samuel Ross Waterbury

Merit Rachel Webster

Elizabeth Weingartner
(February, 2020)

Annie Ryan Ungrady Weißbach

India Claire Wells

Dillon Ford Wiesner

Thomas Lee Wilder III

Christopher Stephen Willis

William Geoffrey Winegar
(See also S.M., Course I)
Standardization of New Product
Introductions to Achieve Zero Defect
Lines

Korin Winstok

Zoë Jewell Wolszon
(See also S.M., Course VI)
Improving Predictability of Cell Culture
Processes During Biologics
Manufacturing Scale-Up through
Hybrid Modeling

David Travis Kent Woodruff
(See also S.M., Course II)
Stepping Toward a Smarter Factory at
Canam

Yiche Wu

Dawn Xiang

Sile Xiong

Roger Wang Xu

Yan Hau Xu Wu

Sagar Pandey Yadama
(See also S.M., Course II)
Data Driven Risk Assessment for
Turbine Engine Programs

Natsuko Yamazaki

Yao Wen Yeo

Paige Denise Youngerman
(See also S.M., Course II)
Impact of Part Proliferation on a High
Mix Low Volume Manufacturing
Environment

Yinan Yue

David Parsons Zackheim

Juliana Zapata Ramírez

Xinhong Zeng

Keita Zenki

Yuezhi Zhan

Nick Zhao

Valerie Zhao Zhao

Jaime Zorrilla Sánchez de Neyra

Master of Business Analytics
Course XV-N
Sloan School of Management

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(September, 2019)

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(September, 2019)

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(September, 2019)

Shijian Chen
(September, 2019)

Chia-Wei Chiang
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Antonin Dauvin
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Sun Fong
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Mason B. Grimshaw
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Srishti Gupta
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Noah Lucas Hagen
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Pengcheng Han
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Nader Jamal Hoballah
(September, 2019)

Rachel Elisabeth Holmer
(September, 2019)

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(September, 2019)

Zhechao Huang
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Rémi Lalanne
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Sheamus Francis Larkin
(September, 2019)

Si Min Elizabeth Lim
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Wenwei Liu
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An Vinh Luong
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Kim-Anh-Nhi Nguyen
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John Lim Oh
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Jun Jie Ong
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Elisa Piscitelli
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Amal Rar
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Michael Gregory Rieker
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Antoine Roncoroni
(September, 2019)

Alexandre Claude Marc Saillard
(September, 2019)

Leonor Anna Saitkoulov
(September, 2019)

Alessandro Mario Scaglia
(September, 2019)

Annelise Andrea Steele
(September, 2019)

Michael Alan Stern
(September, 2019)

John Maxwell Stockdale
(September, 2019)

Kevin Francis Talty
(September, 2019)

Leann Pearl Geetha Thayaparan
(September, 2019)

Jérémy Tran Kiem
(September, 2019)

Julia Erna van Hoogstraten
(September, 2019)

Lisa Frida Walz
(September, 2019)

Jixin Wang
(September, 2019)

Zhelun Wang
(September, 2019)

Tiantian Ye
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Chua Yi Zhe Gabriel
(September, 2019)

Meng Yuan Zhang
(September, 2019)

Master of Finance
Course XV-F
Sloan School of Management

Laira Aggarwal

Dima Akraa

Nadia Amalia

Sanat Anand

Talal Saad Azhari
(February, 2020)

Racem Benhamed

Yannik Birkhahn
(February, 2020)

Øyvind Lofthus Bjørndal
(February, 2020)

Adrien Pierre Guillaume Marie Bougon

Peter Terence Bowers
(February, 2020)

Ricardo Bravo Gomez

Théo Carbonnier

Hugo Castalan
(February, 2020)

Prashant Chakradhar

Bangqing Chen

Jiada Chen

Jianyu Chen
(February, 2020)

Shiting Chen
(February, 2020)

Sijin Chen

Oriane Cochard

Gabriel Sacha Cohen

Ruolan Deng
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Angad Singh Dhamija
(February, 2020)

Nicolas Jean Charles Dixneuf

Redolphe Doyon

Jingqiao Feng
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Joseph Benjamin Freund

Aditya H. Gandhi

Bowei Gao

Mila Gao

Shounak Ghosh
(February, 2020)

Yonatan Goldfarb

Xiaowei Gu

Qing Guo
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Kushaagra Shri Gupta

Parikshit Gupta
(February, 2020)

Pierre-Alexandre Guyomar

Maya Souheil Haddad

Erik Marc Christophe Hadife

Viktor Hermann
(February, 2020)

Jiayan Hou

Hongtao Hua
(February, 2020)

Rakan Galal Husni Bey

Leon Jeantaud

Eskild Jørgensen

Zhang Kao
(February, 2020)

Suren Karapetyan
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Emma Marie Kerwin

Pavel Lebedev
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Hanzhao Li
(February, 2020)

Yinuo Li

Youwei Li
(February, 2020)

Claire Lin

Chenchen Liu
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Fangyuan Liu
(February, 2020)

Yi Liu

Angélica María Lizarazo Cuéllar

Laura Lonardi
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Xiaoyi Benjamin Lu
(February, 2020)

Yezi Ma
(February, 2020)

Harveer Singh Mahajan

Haosheng Mao

Theodore Elias Maris

Adam Sandor Nagy

Akshay Nandwana

Nicholas Chunfei Ng

Jingwei Ni
(February, 2020)

Tracey Dawn Nilsen-Ames

Jeremy Obadia

Felix Nikolaus Oblin

Harry Hung Pan
(February, 2020)

Shiqi Peng
(February, 2020)

Qiuyu Qian

Jiufang Qin
(February, 2020)

Ke Qu

Yang Qu
(February, 2020)

Yaoyue Qu
(February, 2020)

Shuyu Rao

Marco Antonio Salazar Inga

Shayna Star Servillas

Shaheryar Ahmed Shaikh

Yuxiao Shang
(February, 2020)

Ruoping (Cathy) Shi

Shubhi Singh
(February, 2020)

Huili Song
(February, 2020)

David Wenxiang Su

Qijing Tan

Mu Tang
(February, 2020)

Pinar Topal
(February, 2020)

Carlo Daniele Urbano

Nihar Pratin Vete
(February, 2020)

Zewei Wan

Yuan Wang
(February, 2020)

Qiyue Wu

Shuning Wu

Marcus Valerian Würtenberg

Xingrui Xiang
(February, 2020)

Yizhen Xie
(February, 2020)

Xueying Xiong

Jiaming Xu
(February, 2020)

Xiaoqing Yang

Yi Yang
(February, 2020)

Hang You

Lu Zhang
(February, 2020)

Tong Zhang

Jingjie Zheng
(February, 2020)

Tianyi Zheng
(February, 2020)

Yongwei Zheng
(February, 2020)

Yiran Zhou

Yutong Zhou

Zhiyu Zhou
(February, 2020)

Kelly J. Zhu

Master of Science in Management Studies

Course XV-S

Sloan School of Management

Lucia Yiyi Chai

A Direction and Business Plan for
Developing and Commercializing Adult
Incontinence Products in China

Jingjing Jun

Competitive Analysis Of Digital Content
And Knowledge Sharing Market For
Adult Education In China

Chee Swee Kek

The Hidden Costs of Rapid Economic
Growth

Yunxuan Lu

Study on China Non-Performing Loan

Boxin Mou

Study on Social Media Marketing
Campaign Strategy – TikTok and
Instagram

Ponce Ernest Pineda Samaniego

Analytics for Strategic Corporate Social
Responsibility

Yuan Tian

Case Studies on Companies that
Delisted from US and Relisted in China

Tian Zeng

The Competence Model of Producers as Managers and Entrepreneurs of Cross-Cultural Movie Crews

Zhe Zhang

A Statistical Analysis of the Potential Impact of Boeing 737 MAX Crashes on Passenger Behavior

Shirley Xueer Zhou

A Study of the Canadian Property Boom

Jiale Zhu

The E-Sports Industry in China -- Business Plan for Cuitimate

Master of Science in Management Research

Course XV

Sloan School of Management

Natalie Berfeld

Do You Have to Adopt to Adopt? Evidence on IFRS Spillovers in Conglomerates

Matthew P. Cashman

(February, 2020)
Self-Signaling, Magical Thinking, and Spooky Causality in Economic Games

Allison Cole

Cyclical Dynamics in Idiosyncratic Consumption Risk

Zaki Dernaoui

Rising Technologies, Investment and Discount Rates

Leonardo A. Elias

(September, 2019)
Global Factors and the Pricing of Sovereign Risk

Daniel Harris Elkind

(September, 2019)
A Reinforcement Learning Algorithm for Dynamic Trading Execution in the Presence of Signals

Carolyn Jiaming Fu

(February, 2020)
Converging for Effective Exploration: How to Learn Across Unique Successes

Ari Brendan Galper

Accommodation-through-Bypassing: Overcoming Professionals' Resistance to the Implementation of Algorithmic Technology

James P. Houghton

(September, 2019)
Why Meaning Matters for Belief Diffusion in Social Networks

Pierre Jacques Jaffard

Lobbying as a Hedge on Political Risk: When Size Matters

Mahreen Khan

(February, 2020)
Are Worker Management Committees Improving Factory Conditions? A Study of Participation Committees in ILO's Better Work Factories

Olivia S. Kim

The Economic Impact of Education Spending: Evidence from Self-Employed Households

Madhav Kumar

Discount Bundling via Dense Product Embeddings

Tianyi Li

Self-falsifiable Hierarchical Detection of Overlapping Communities On Social Networks

Tse Yang Lim

The Road to Development is Paved with Good Intentions: Inter-Organizational Dysfunction in the UN Development System

Maarten Meeuwis

(February, 2020)
Portfolio Choice and Asset Pricing with Non-Homothetic Preferences

James Corbett Mellody

Invisible Value: How Peripheral Functions Display Their Worth Using Narrative Action

Yury Olshanskiy

Oligopolistic Market-Making and Inventory Heterogeneity

Ethan J. Poskanzer

The Depth of the River: Student Matriculation Decisions and the Black-White College Completion Gap

Lindsey Rebecca Raymond

(September, 2019)
Predicting the Obvious: A Machine Learning Approach to Superstar Inventions

Georg Alexander Rickmann

(February, 2020)
The Effect of Market Transparency on Corporate Disclosure

Jad Georges Sassine

How Network Structure Impacts Socially Reinforced Diffusion?

Parinitha R. Sastry

Estimating Demand for Liquid Assets

Bryan Seegmiller

Intermediation Frictions in Equity Markets

Albert Shin

(February, 2020)
Startup Valuation and the Venture Capital Syndication Hypothesis

Sebastian Steffen

(February, 2020)
Occupational Change: Automation and Reskilling Risks

Yupeng Wang

Fintech Mortgage Lenders Solving or Exploiting a Friction? Evidence on Risk Layering and Prepayment Risk of Conforming Loans

Zhen Yang

Learning Who to Target with What via Adaptive Experimentation to Optimize Long-Term Outcomes

Yuting Zhu

Dynamic Marketing Policies: Constructing Markov States for Reinforcement Learning

Master of Science in Operations Research

Katherine Lee Burnham

Information Fusion for an Unmanned Underwater Vehicle Through Probabilistic Prediction and Optimal Matching

Or Dan

(See also M.B.A., Course XV)
Improving Prior Knowledge Assessment in Process Characterization

Matt Vincent Lewis Emschwiller

Understanding Neural Network Sample Complexity and Interpretable Convergence-Guaranteed Deep Learning with Polynomial Regression

Justin W. Graham

School Choice: A Discrete Optimization Approach

Galit Lugin

Prescriptive Methods for Adaptive Learning

Colin Alex McIntyre

(See also M.B.A., Course XV)

Optimizing Inbound Freight Mode Decisions

Julie Poulet

Leveraging Machine Learning to Solve the Vehicle Routing Problem with Time Windows

Rebecca Zhang

(September, 2019)

Interpretable Machine Learning Methods for Stroke Prediction

SCHOOL OF ARCHITECTURE AND PLANNING, DOCTORAL

Doctor of Philosophy

School of Architecture and Planning

Dhamnidhi Dhaval Kumar Adjodah

(September, 2019)

Thesis in the field of Media Arts and Sciences: Social Inductive Biases for Reinforcement Learning

Jesus Ricardo Alvarez Felix

Thesis in the field of Urban and Regional Planning submitted to the Department of Urban Studies and Planning: Sensing Lights: Transforming Street Lights into a Networked Urban Knowledge Platform

Nisa Ari

(September, 2019)

Thesis in the field of Architecture: History and Theory of Art submitted to the Department of Architecture: Cultural Mandates, Artistic Missions, and "The Welfare of Palestine," 1876–1948

Andrea Karin Beck

Thesis in the field of Sustainable Development submitted to the Department of Urban Studies and Planning: Water Operator Partnerships: Utility Reform and the Struggle for Alternatives to Privatization

Yasmin Bijani

(September, 2019)

Thesis in the field of Environmental Policy and Planning submitted to the Department of Urban Studies and Planning: Pursuing the Common Good: Overcoming Barriers to Collective Action through Transboundary Water Negotiation along the Blue Nile River

Benjamin Arthur Philips Bloomberg

(February, 2020)

Thesis in the field of Media Arts and Sciences: Making Musical Magic Live: Inventing Modern Production Technology for Human-Centric Music Performance

Lilian D. Bui

(February, 2020)

Thesis in the field of Urban and Regional Planning submitted to the Department of Urban Studies and Planning: Centering Peripheries: Warning Systems and Disaster Risk Reduction Planning on the Island City

Samuel Eli Calisch

(September, 2019)

Thesis in the field of Media Arts and Sciences: Folded Functional Foams

Matthew Eli Carney

(February, 2020)

Thesis in the field of Media Arts and Sciences: Design and Evaluation of a Reaction-Force Series Elastic Actuator Configurable as Biomimetic Powered Ankle and Knee Prostheses

Matthew Christopher Claudel

Thesis in the field of Advanced Urbanism submitted to the Department of Urban Studies and Planning: How Cities Learn: Urban Experimentation for Creating and Governing Technology

Pierre Emmanuel Cuvilliers

Thesis in the field of Architecture: Building Technology submitted to the Department of Architecture: The Constrained Geometry of Structures: Optimization Methods for Inverse Form-Finding Design

Jackson Struthers Davidow

(September, 2019)

Thesis in the field of Architecture: History and Theory of Art submitted to the Department of Architecture: Viral Visions: Art, Activism, and Epidemiology in the Global AIDS Pandemic

Laura Humm Delgado

Thesis in the field of Urban and Regional Planning submitted to the Department of Urban Studies and Planning: Branching Out into Immigrant Neighborhoods: How Public Libraries Distribute Community Resources to Meet Immigrant Needs

Artem Dementyev

(September, 2019)

Thesis in the field of Media Arts and Sciences: Dynamic Wearable Technology: Designing and Deploying Small Climbing Robots for Sensing and Actuation on the Human Body

Jorge Duro Royo

(September, 2019)

Thesis in the field of Media Arts and Sciences: Fabrication Information Modeling

Daniel Gallagher

(September, 2019)

Thesis in the field of Urban Planning and International Development submitted to the Department of Urban Studies and Planning: Enduring or Escaping Legacies? Politics, Inherited Institutions, and Rebellion in the Struggle Over Water Futures in Chile

Jessica Alexandra Gordon

(September, 2019)

Thesis in the field of Environmental Policy and Planning submitted to the Department of Urban Studies and Planning: Red Lines for a Green China: Adaptation, Negotiation and Experimentation in China's Efforts to Transform Sustainably

Jason Matthew Haas

(September, 2019)

Thesis in the field of Media Arts and Sciences: Committee of N: Playful Design in Teacher Education

Elise Schley Harrington

Thesis in the field of Environmental Policy and Planning submitted to the Department of Urban Studies and Planning: Intermediaries and Electrification: Dimensions of Trust and Consumer Education in Kenya's Off-Grid Solar Market

Suzanne Elisa Harris-Brandts

Thesis in the field of Urban and Regional Studies submitted to the Department of Urban Studies and Planning: Constructing the Capital City: The Politics of Urban Development and Image Making in Eurasia's Hybrid Regimes

Natasha Jaques

(February, 2020)

Thesis in the field of Media Arts and Sciences: Social and Affective Machine Learning

Sundeep Kumar Jolly

(September, 2019)

Thesis in the field of Media Arts and Sciences: Holographic Augmented Reality: Towards Near-to-Eye Electroholography via Guided-Wave Acousto-Optics

Rébecca Henriette Marie Franca Kleinberger

Thesis in the field of Media Arts and Sciences: Vocal Connection: Rethinking the Voice as a Medium for Personal, Interpersonal, and Interspecies Understanding

Haegi Kwon

(September, 2019)

Thesis in the field of Urban and Regional Studies submitted to the Department of Urban Studies and Planning: Fighting for Recognition: Asian American Advocates and Their Strategic Uses of Identity

Will Kai Langford

(September, 2019)

Thesis in the field of Media Arts and Sciences: Discrete Robotic Construction

Yan Leng

Thesis in the field of Media Arts and Sciences: Collective Behavior over Social Networks with Data-driven and Machine Learning Models

Mohammad Omar Masud

Thesis in the field of Urban and Regional Studies submitted to the Department of Urban Studies and Planning: Inside the App Bureaucracy: The Use of Smartphone Apps in Public Service Delivery Organizations in Pakistan

Paul Mayencourt

(February, 2020)

Thesis in the field of Architecture: Building Technology submitted to the Department of Architecture: Mass Reduction: Opportunities and Structural Optimization Methods to Reduce Material Use in Mass Timber Buildings

Philippa Jane Mothersill

(February, 2020)

Thesis in the field of Media Arts and Sciences: Towards Digital Liminality: Computational Tools for 'Beyond Average' Creative Thinking

Alejandro Noriega Campero

(September, 2019)

Thesis in the field of Media Arts and Sciences: Human and Artificial Intelligence in Decision Systems for Social Development

Prashant Jaya-Tarachand Patil

(September, 2019)

Thesis in the field of Media Arts and Sciences: Laser Direct-Write Fabrication of MEMS

Prassanna Raman

Thesis in the field of International Development submitted to the Department of Urban Studies and Planning: The Politics of Visibility in Urban Sanitation: Bureaucratic Coordination and the Swachh Bharat Mission in Tamil Nadu, India

Karthik Rao Cavale

(February, 2020)

Thesis in the field of Urban and Regional Studies submitted to the Department of Urban Studies and Planning: The Production of Rurality: Social and Spatial Transformations in the Tamil Countryside 1915-65

Jeffrey Laurence Rosenblum

Thesis in the field of Urban and Regional Planning submitted to the Department of Urban Studies and Planning: Expanding Access to the City: How Public Transit Fare Policy Shapes Travel Decision Making and Behavior of Low-Income Riders

Spencer Franklin Russell

Thesis in the field of Media Arts and Sciences: Resynthesizing Volumetric Soundscapes: Low-Rank Subspace Methods for Soundfield Estimation and Reconstruction

Sunanda Sharma

Thesis in the field of Media Arts and Sciences: Designing the Organism-Environment Relationship

Faizan Jawed Siddiqi

(February, 2020)

Thesis in the field of Urban Studies and Planning submitted to the Department of Urban Studies and Planning: Realizing Dignity: Dalit Rights, Land Reform, and the Learning of Democratic Citizenship

Ivan Sergeevich Sysoev

Thesis in the field of Media Arts and Sciences: Digital Expressive Media for Supporting Early Literacy through Child-Driven, Scaffolded Play

Cameron Roy Taylor

Thesis in the field of Media Arts and Sciences: Magnetomicrometry: Tissue Length Tracking via Implanted Magnetic Beads

Sara Ann Taylor

Thesis in the field of Media Arts and Sciences: Forecasting Mental Distress Using Healthcare Claims Data

Louis Lawton Thomas

(September, 2019)

Thesis in the field of Urban Planning, Policy and Design submitted to the Department of Urban Studies and Planning: High-Density Parenting: Design, Policy, and Family-oriented Urbanism

Shenhao Wang

(February, 2020)

Thesis in the field of Computer and Urban Science submitted to the Department of Urban Studies and Planning: Deep Neural Networks for Choice Analysis

Anneli Rane Woolf

Thesis in the field of Media Arts and Sciences: Discovering the Meaning Behind the Story: Creating a System for Documenting and Supporting Children's Narrative Development

Çağrı Hakan Zaman

(February, 2020)

Thesis in the field of Architecture: Design and Computation submitted to the Department of Architecture: Spatial Experience in Humans and Machines

SCHOOL OF ENGINEERING, DOCTORAL

Doctor of Philosophy

School of Engineering

Michael John Acton

(February, 2020)

Thesis in the field of Nuclear Science and Engineering: Computational Fluid Dynamics and Turbulence Model Uncertainty Quantification for Nuclear Reactor Safety Applications

Ganesh Ajjanagadde

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Fourier Analysis on the Hypercube, the Coefficient Problem, and Applications

Joshua H. Alman

(September, 2019)

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Linear Algebraic Techniques in Algorithms and Complexity

David Alvarez Melis

(September, 2019)

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Optimal Transport in Structured Domains: Algorithms and Applications

Raichelle Joy Aniceto

(February, 2020)

Thesis in the field of Space Systems submitted to the Department of Aeronautics and Astronautics: 100 Gbps Optical Coherent Modem for Low Earth Orbit Optical Inter-Satellite Links

Nicha Apichitsopa

Thesis in the field of Electrical Engineering and Computer Science: Large-Area Cell-Tracking Cytometry for Biophysical Measurements of Single Cells

Venkata Narayana Murthy Arelekatti

(September, 2019)

Thesis in the field of Mechanical Engineering: Frameworks for the Design of Passive Prosthetic Knee Components Using User-centered Methods and Biomechanics of Level-ground Walking

Naveed Ali Bakh

Thesis in the field of Chemical Engineering: In Vivo Translation of Near Infrared Fluorescent Semiconducting Single Walled Carbon Nanotube Sensors: Theoretical and Experimental Applications

Ashvin Reddy Bashyam

(September, 2019)

Thesis in the field of Electrical Engineering and Computer Science: Portable Magnetic Resonance Sensors and Methods for Noninvasive Disease Diagnostics

Tristan Wendland Bepler

(February, 2020)

Thesis in the field of Computational and Systems Biology: Machine Learning for Understanding Protein Sequence and Structure

Nikhil Gaurev Bhargava

(February, 2020)

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Multi-Agent Coordination Under Limited Communication

Mohamed Aziz Bhourri

(February, 2020)

Thesis in the field of Mechanical Engineering and Computation submitted to the Department of Mechanical Engineering: A Two-Step Port-Reduced Reduced-Basis Component Method for Time Domain Elastodynamic PDE with Application to Structural Health Monitoring

Gerardo Bledt

(February, 2020)

Thesis in the field of Mechanical Engineering: Regularized Predictive Control Framework for Robust Dynamic Legged Locomotion

Joseph Richard Brady

Thesis in the field of Chemical Engineering: A Multi-Omics Approach to Improving Productivity of Therapeutic Proteins in *Pichia pastoris* (*Komagataella phaffii*)

Alexander Thomas Brown

(February, 2020)

Thesis in the field of Biological Engineering: Design of Engineerable Biomaterial Microenvironments for the Advancement of *in vitro* Human Tissue Models

Scott Patrick Burger

(September, 2019)

Thesis in the field of Engineering Systems: Rate Design for the 21st Century: Improving Economic Efficiency and Distributional Equity in Electricity Rate Design

Colin G. Buss

(February, 2020)

Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Nanomaterial-Mediated Immune Interactions for Disease Diagnosis and Cancer Immunotherapy

Yinan Cai

(September, 2019)

Thesis in the field of Nuclear Science and Engineering: A Framework for Analyzing Nuclear Power Multiunit Accident Scenarios and Providing Accident Mitigation and Site Improvement Suggestions

Andrew Harvey Caldwell

(February, 2020)

Thesis in the field of Materials Science and Engineering: Alternating Current Voltammetry of High Temperature Electrolysis Reactions

Norman Ming-Chen Cao

Thesis in the field of Applied Plasma Physics submitted to the Department of Nuclear Science and Engineering: Characterization of a Turbulence Bifurcation Underlying L-mode Confinement Transitions on Alcator C-Mod

Hugh Alexander Carson

(February, 2020)

Thesis in the field of Computational Science and Engineering: Provably Convergent Anisotropic Output-Based Adaptation for Continuous Finite Element Discretizations

Seth Allen Cazzell

Thesis in the field of Polymers and Soft Matter submitted to the Department of Materials Science and Engineering: Engineering Gelation in Metal Ion Cross-Linked Hydrogels

Wui Yarn Chan

(September, 2019)
(See also S.M., Course X-A)
Thesis in the field of Chemical Engineering: Sustainable Materials from Renewable Protein Feedstock and Waste Rubber

Ken Chang

Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Enhancing Medical Imaging Workflows with Deep Learning

Christy Chao

(February, 2020)
Thesis in the field of Chemical Engineering: Analysis of DNA Damage and Repair Responses in Cerium Exposed Cells and Hepatocyte Spheroids

Nikhil Narsingh Chavan Dafle

Thesis in the field of Mechanical Engineering: Dexterous Manipulation with Simple Grippers

Jialiang Chen

(September, 2019)
Thesis in the field of Civil and Environmental Engineering: Effect of Scale and Spatial Variability on Surface Foundations on Sand

Mo Chen

(February, 2020)
Thesis in the field of Quantum Science and Engineering submitted to the Department of Mechanical Engineering: Hardware-Efficient Quantum Error Correction with Nitrogen-Vacancy Centers

Tianyi Chen

(September, 2019)
Thesis in the field of Mechanical Engineering: Next-Generation Dedicated Outdoor Air Cooling Systems for Low-Energy Buildings

Craig B. Cheney

(February, 2020)
Thesis in the field of Mechanical Engineering: Development of a Miniature, Low Power, Solid State, Continuously Sensitive, Diffusion Cloud Chamber

Li-Chiun Cheng

Thesis in the field of Chemical Engineering: Structure, Rheology and Applications of Thermally-Gelling Nanoemulsions

Mei Yi Cheung

(September, 2019)
Thesis in the field of Mechanical Engineering: Underwater Multi-Vehicle Co-operative Target-Tracking

Arnav Chhabra

(September, 2019)
Thesis in the field of Health Sciences and Technology submitted to the Harvard-MIT Program in Health Sciences and Technology: Building Blocks for Regenerative Medicine: Vascularized Models and Immunomodulation to Engineer Hepatic Cell Therapies

Byung Gu Cho

(February, 2020)
Thesis in the field of Ocean Engineering submitted to the Department of Mechanical Engineering: Predicting the Effects of Random Ocean Dynamic Processes on Underwater Acoustic Sensing and Communication

Te-Chun Chu

Thesis in the field of Chemical Engineering: Revealing Aromatics Formation in Combustion Using Experimental and Modeling Methods

Hyung Won Chung

(February, 2020)
Thesis in the field of Mechanical Engineering: Technoeconomic Analysis of Pressure-Retarded Osmosis

Sebastian Claiici

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Structure as Simplification: Transportation Tools for Understanding Data

Theresa Kruse Cloutier

Thesis in the field of Chemical Engineering: Computational Design of Therapeutic Monoclonal Antibody Formulations

Anne Collin

(September, 2019)
Thesis in the field of Autonomous Systems submitted to the Department of Aeronautics and Astronautics: A Systems Architecture Framework towards Hardware Selection for Autonomous Navigation

Laura Ellen Crowell

Thesis in the field of Chemical Engineering: Accelerating Process Development for Biologics on an Automated, Pharmacy-Scale Manufacturing System

Wenhan Dai

(February, 2020)
Thesis in the field of Communications and Networks submitted to the Department of Aeronautics and Astronautics: Quantum Networks: State Transmission and Network Operation

Pratik K. Davé

(February, 2020)
Thesis in the field of Space Systems submitted to the Department of Aeronautics and Astronautics: Autonomous Navigation of Distributed Spacecraft using Intersatellite Laser Communications

Karen Margaret Dawson

(September, 2019)
Thesis in the field of Nuclear Science and Engineering: A Framework to Assess the Economic and Uncertainty Implications for Technologies for Use in Decarbonization

Nicholas Thomas Dee

(February, 2020)
Thesis in the field of Mechanical Engineering: In Situ Monitoring and Control of Carbon Nanotube Synthesis

Akshay Dhananjai Degwekar

(September, 2019)
Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: On Foundations of Public-Key Encryption and Secret Sharing

Íñigo del Portillo Barrios

(February, 2020)
Thesis in the field of Communications and Networks submitted to the Department of Aeronautics and Astronautics: Space and Aerial Architectures to Expand Global Connectivity

Etienne Demarly

(February, 2020)

Thesis in the field of Nuclear Science and Engineering: A New Approach to Predicting Departure from Nucleate Boiling (DNB) from Direct Representation of Boiling Heat Transfer Physics

Mo Deng

Thesis in the field of Electrical Engineering and Computer Science: Deep Learning with Physical and Power-Spectral Priors for Robust Image Inversion

Guillermo Fabián Díaz Lanckenau

(February, 2020)

Thesis in the field of Mechanical Engineering: Tractor Design for Small Farms in Resource Limited Markets

Sai Nishanth Dikkala

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Tackling Dependence Among Samples Via Structured High-Dimensional Distributions

Christina Vy Dinh

(February, 2020)

Thesis in the field of Chemical Engineering: Development of Quorum-Sensing Circuits for Metabolic Flux Control in Escherichia Coli

Daniel S. Dorsch

(September, 2019)

Thesis in the field of Mechanical Engineering: Design of High Performance Hybrid Transmissions

Justin M. Dove

Thesis in the field of Electrical Engineering and Computer Science: Theory of Phasor-Field Imaging

Shelby Kathleen Doyle

(February, 2020)

Thesis in the field of Biological Engineering: Modulating Oncogenic Transcription with Small Molecules

Aaron James Dy

(September, 2019)

Thesis in the field of Biological Engineering: Cell-free Synthetic Biology for Affordable, On-demand Diagnostics

Markus Einzinger

(February, 2020)

Thesis in the field of Electrical Engineering submitted to the Department of Electrical Engineering and Computer Science: Excitonic Spin Engineering for Solar Cells and Organic Light-Emitting Diodes

Eric Richard Fadel

Thesis in the field of Materials Science and Engineering: Highly Accurate Computational Methods For Lithium-Ion Battery Materials

Nima Fazeli

(September, 2019)

Thesis in the field of Mechanical Engineering: Inference and Learning for Rigid-Body Models of Manipulation

Henry Alan Fingerhut

(February, 2020)

Thesis in the field of Engineering Systems: Technology, Management, and Policy submitted to the Engineering Systems Division: Individual and Organizational Uses of Evidence-Based Practice in Healthcare Settings

Michael Samuel Fleder

(September, 2019)

Thesis in the field of Electrical Engineering and Computer Science: Forecasting Financials and Discovering Menu Prices with Alternative Data

Peter Raymond Florence

(February, 2020)

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Dense Visual Learning for Robot Manipulation

Mojtaba Forghani

(September, 2019)

Thesis in the field of Mechanical Engineering and Computation submitted to the Department of Mechanical Engineering: An Inverse Problem Framework for Reconstruction of Phonon Properties Using Solutions of the Boltzmann Transport Equation

Christopher Foy

Thesis in the field of Electrical Engineering submitted to the Department of Electrical Engineering and Computer Science: Solid-State Spin-Integrated Circuits for Quantum Sensing and Control

Matthias Freiherr von Andrian-Werburg

Thesis in the field of Chemical Engineering: Fast Stochastic Model Predictive Control under Parametric Uncertainties

Xinkai Fu

(September, 2019)

Thesis in the field of Materials Science and Engineering: Assessing Byproduct Mining and Metal Recycling as Indicators of Material Criticality

Paul Anthony Gabrys

Thesis in the field of Materials Science and Engineering: Controlling Structure Across Length Scales with Directed Assembly of Colloidal Nanoparticles

Preetinder Garcha

Thesis in the field of Electrical Engineering and Computer Science: Low Power Circuits with Integrated Magnetics for Sensors and Energy Harvesting Systems

Derek Ray Gaston

(February, 2020)

Thesis in the field of Computational Nuclear Science and Engineering: Parallel, Asynchronous Ray-Tracing for Scalable, 3D, Full-Core Method of Characteristics Neutron Transport on Unstructured Mesh

Joseph Emilio Gaudio

Thesis in the field of Mechanical Engineering: Fast Learning and Adaptation in Control and Machine Learning

Roman O. Geykhman

(September, 2019)

Thesis in the field of Aeronautics and Astronautics: The Effect of Differential Color Refraction on Astrometric Observations of Solar System Bodies and Earth Satellites from Ground-Based Optical Telescopes

Henri-Louis Jean-Paul Girard

(February, 2020)

Thesis in the field of Mechanical Engineering: Interactions at Interfaces Across Scales: from Adsorption to Adhesion

Mark Jacob Goldman

(February, 2020)

Thesis in the field of Chemical Engineering: Illuminating Reaction Pathways in Low-Temperature Combustion, Pyrolysis & Atmospheric Oxidation

Sarah Ann Goodman

(February, 2020)

Thesis in the field of Materials Science and Engineering: Nanostructured Materials Towards High-Efficiency Visible and Ultraviolet Light Emitting Diodes: Structure-Property Correlation on the Nanoscale

Grace Swee See Goon

Thesis in the field of Materials and Structures submitted to the Department of Aeronautics and Astronautics: Deformation-Assisted Antifouling of Surfaces

Colin Andreas Grambow

Thesis in the field of Chemical Engineering: Automated Discovery of Important Chemical Reactions

Daniel Thomas Grier

(September, 2019)

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Three Complexity Classification Questions at the Quantum/Classical Boundary

Zongyu Gu

(September, 2019)

Thesis in the field of Chemical Engineering: Physics-Based Models of Hysteresis in Multiphase Flow in Porous Media

Jacob William Guggenheim

(February, 2020)

Thesis in the field of Mechanical Engineering: Contributions of the Human Operator to Supernumerary Robotic Limbs

Ishan Gupta

(September, 2019)

Thesis in the field of Biological Engineering: Increasing the Optical Transparency of a Living Mouse Brain (And Other Nanotechnologies)

David Henry Hagan

(February, 2020)

Thesis in the field of Environmental Chemistry submitted to the Department of Civil and Environmental Engineering: Measuring Ambient Air Quality Using Low-Cost Sensors

Bashar M. Hamza

(February, 2020)

Thesis in the field of Electrical Engineering and Computer Science: An Optofluidic Platform for Longitudinal Circulating Tumor Cell Studies in Mouse Models of Cancer

Yafei Han

(September, 2019)

Thesis in the field of Transportation submitted to the Department of Civil and Environmental Engineering: Neural-Embedded Discrete Choice Models

Yiou He

(February, 2020)

Thesis in the field of Electrical Engineering submitted to the Department of Electrical Engineering and Computer Science: Towards Lightweight High-Voltage Power Conversion

Marek Hempel

Thesis in the field of Electrical Engineering submitted to the Department of Electrical Engineering and Computer Science: Technology and Applications of 2D Materials in Micro- and Macroscale Electronics

Wee Teck William Ho

Thesis in the field of Chemical Engineering: Orthotopic Liver Metastasis Mouse Models of Mismatch Repair-Proficient Colorectal Cancer Recapitulate Clinical Inefficacy of Immune Checkpoint Blockade

Francois Robert Hogan

(February, 2020)

Thesis in the field of Mechanical Engineering: Reactive Manipulation with Contact Models and Tactile Feedback

Hajir Hosseini Roozbehani

(September, 2019)

Thesis in the field of Communications and Networks submitted to the Department of Aeronautics and Astronautics: Graceful Codes: Fundamental Limits and Constructions

I-Yun Lisa Hsieh

Thesis in the field of Chemical Engineering: Insights into Future Electric Mobility

Chen-Yu Hsu

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Passive Sensing of User Behavior and Well-Being at Home

Wei-Ning Hsu

Thesis in the field of Electrical Engineering and Computer Science: Speech Processing with Less Supervision: Learning from Weak Labels and Multiple Modalities

Zhi Hu

Thesis in the field of Electrical Engineering and Computer Science: Large-Scale High-Density Terahertz Radiator and Receiver Arrays on Silicon Chips

Arthur C. Huang

(February, 2020)

Thesis in the field of Aerospace Computational Engineering submitted to the Department of Aeronautics and Astronautics: An Adaptive Variational Multiscale Method with Discontinuous Subscales for Aerodynamic Flows

Junbin Huang

Thesis in the field of Mechanical Engineering and Computation submitted to the Department of Mechanical Engineering: New Overlapping Finite Elements and Their Application in the AMORE Paradigm

Mantao Huang

Thesis in the field of Materials Science and Engineering: Voltage Control of Electrical, Optical and Magnetic Properties of Materials by Solid State Ionic Transport and Electrochemical Reactions

Yi Huang

Thesis in the field of Mechanical Engineering: Spectral Engineering for Solar-Thermal and Thermal-Radiative Systems

Fatima Aysha Hussain

Thesis in the field of Environmental Microbiology submitted to the Department of Civil and Environmental Engineering: Virus-Driven Evolution of Marine *Vibrio*

Karine Ip Kiun Chong

(September, 2019)

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Jon Paul Janet

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Thesis in the field of Chemical Engineering and Computation: Multifidelity Methods for Design of Transition Metal Complexes

Mark Christopher Jeffrey

(February, 2020)

Thesis in the field of Electrical Engineering and Computer Science: A Hardware and Software Architecture for Pervasive Parallelism

Taehoon Jeong

Thesis in the field of Electrical Engineering submitted to the Department of Electrical Engineering and Computer Science: Secure Analog-to-Digital Conversion Against Power Side-Channel Attack

Ana Jevtić

Thesis in the field of Electrical Engineering and Computer Science: Advanced Methods for Cyber-Attack Detection and Resilient State Estimation in Power Systems

Pritish Kamath

(February, 2020)

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Some Hardness Escalation Results in Computational Complexity Theory

Sai Nithin Reddy Kantareddy

Thesis in the field of Mechanical Engineering: Introducing Perovskites to the IoT World Using Photovoltaic-Powered ID Tags

Jian-An Ke

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Jared Scott Kehe

Thesis in the field of Biological Engineering: Massively Parallel Combinatorial Microbiology

Sami Khan

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Thesis in the field of Mechanical Engineering: Towards Impacting Electrochemical Phenomena Using Interfacial Engineering

Aliza Khurram

Thesis in the field of Mechanical Engineering: Combined CO₂ Capture and Electrochemical Conversion in Non-Aqueous Environments

Deokhwan Kim

(September, 2019)

Thesis in the field of Electrical Engineering and Computer Science: Verification of Correctness Properties of Programs that Read Input Files

Donghyun Kim

Thesis in the field of Mechanical Engineering: Design and Development of Desktop Fiber and Fabric Manufacturing System for Advanced Materials

Joseph Kim

(February, 2020)

Thesis in the field of Autonomous Systems submitted to the Department of Aeronautics and Astronautics: Plan Summarization for Decision Support in Human Team Planning

Sungjin Kim

Thesis in the field of Materials Science and Engineering: Utilizing Bioinspired Metal-Coordinate Bonding in the Solidification of Soft Gels via Crosslinking, Dehydration and Mineralization

Yunjo Kim

Thesis in the field of Mechanical Engineering: Interface Engineering for Exfoliation and Integration of Heteroepitaxial III-V Films

Jesse D. Kirkpatrick

Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Protease activity sensors for noninvasive diagnosis and monitoring of pulmonary diseases

Derek M. Kita

(February, 2020)

Thesis in the field of Materials Science and Engineering: Integrated Photonic Devices for Spectroscopic Chemical Detection

Fredrik Berg Kjølstad

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Magdalena Maria Klemun

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Akshata Krishnamurthy

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Adam QingYang Kuang

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Thesis in the field of Applied Plasma Physics submitted to the Department of Nuclear Science and Engineering: Measurements of Divertor Target Plate Conditions and Their Relationship to Scrape-Off Layer Transport

Omar Labban

Thesis in the field of Mechanical Engineering: Development of Chemical-Free Methods of Fouling Mitigation for Membrane Processes in Desalination

Erica L. Lai

(February, 2020)

Thesis in the field of Polymers and Soft Matter submitted to the Department of Materials Science and Engineering: Deciphering How the Viscoelastic Properties of Mussel-inspired Metal-coordinate Hydrogels Dictate Their Adhesive and Interfacial Mechanics

Kristen Rio LaVigne

Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Relationships Between Functionality, Security, and Privacy

David Layden

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Thesis in the field of Chemical Engineering Practice submitted to the Department of Chemical Engineering: A Study of Strained Extinction for Applications in Natural Gas Combustion Modeling

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Thesis in the field of Mechanical Engineering: Accelerating Cleantech Hardware Product Development

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Thesis in the field of Health Sciences and Technology submitted to the Harvard-MIT Program in Health Sciences and Technology: Machine Learning for Pain Assessment and Management

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Antoine Ramier

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Charles Garrett Rappazzo

Thesis in the field of Biological Engineering: Determination of Class II Peptide-MHC Repertoires and Recognition via Large Yeast-Displayed Libraries

Manan B. Raval

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Thesis in the field of Electrical Engineering submitted to the Department of Electrical Engineering and Computer Science: Integrated Optical Phased Arrays for Three-Dimensional Display Applications

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Adrià Recasens Continente

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Arman Rezaee

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Thesis in the field of Electrical Engineering and Computer Science: Towards a Cognitive Network Management and Control System

Mariana Rodriguez Buno

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Thesis in the field of Computational Sciences and Civil Engineering submitted to the Department of Civil and Environmental Engineering: Modeling Multiphysics of Traveling Wave Reactor Spent Fuel Disposal in Deep Crystalline Host Rock

Ivo Rosa Montenegro

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Thesis in the field of Geotechnical and Geoenvironmental Engineering submitted to the Department of Civil and Environmental Engineering: Numerical Modeling, Characterization, and Monitoring of the Seasonal Behavior of Expansive Clays

Jacob Roxon

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Thesis in the field of Civil and Environmental Engineering: Role of City Texture in Identifying Drag Coefficients of Buildings to Prevent Hurricane Damage

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Thesis in the field of Materials Science and Engineering: Self-Assembling Nanocomposite Tectons for Ordered Superlattices

Tuhin Sarkar

Thesis in the field of Electrical Engineering and Computer Science: Learning Structure from Unstructured Data

Luke Robert Schaeffer

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Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Examining All Possibilities: Classification Theorems and Quantum Computing

Jennifer Moffitt Schall

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Thesis in the field of Chemical Engineering Practice submitted to the Department of Chemical Engineering: Growth and Nucleation Kinetics in Continuous Antisolvent Crystallization Systems

Ian Schneider

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Thesis in the field of Social and Engineering Systems submitted to the Institute for Data, Systems, and Society: Market Design Opportunities for an Evolving Power System

Adam Benjamin Gelernter Sealfon

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Nestor Andres Sepulveda

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Sarah Jane Shapiro

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Thesis in the field of Chemical Engineering: Rational Hydrogel Design for Point-of-Care Diagnostics

Sam James Silva

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Thesis in the field of Aeronautics and Astronautics: Active Hazard Analysis Integration into Safety Management Systems

Mohamad Othman Sindi

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Thesis in the field of Computational Science and Engineering submitted to the Department of Civil and Environmental Engineering: A Container-Based Lightweight Fault Tolerance Framework for High Performance Computing Workloads

André Cornelis Joseph Snoeck

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Luis Rubén Soenksen Martínez

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Thesis in the field of Mechanical Engineering: Cell-free Freeze-dried Synthetic Biology for Wearable Biotechnology Applications

Chuliang Song

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Shriya Sruthi Srinivasan

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Thesis in the field of Medical Engineering and Medical Physics submitted to the Harvard-MIT Program in Health Sciences and Technology: Rewiring Neural Conduits: Engineering Neuromuscular Tissues for Bidirectional Neuroprosthetic Interfacing

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Thesis in the field of Computer Science submitted to the Department of Electrical Engineering and Computer Science: Representations for Intelligent Navigation in Unfamiliar Environments

Max Andrew Stockslager

Thesis in the field of Mechanical Engineering: Single-Cell Mass Measurements for Drug Susceptibility Testing in Cancer

Roman Mark Stolyarov

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Di Zhu
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Thesis in the field of Electrical Engineering submitted to the Department of Electrical Engineering and Computer Science: Microwave Engineering in Superconducting Nanowires for Single-Photon Detection

Martín Zubeldía Suárez
(September, 2019)
Thesis in the field of Electrical Engineering submitted to the Department of Electrical Engineering and Computer Science: Delay, Stability, and Resource Tradeoffs in Large Distributed Service Systems

SCHOOL OF HUMANITIES, ARTS, AND SOCIAL SCIENCES, DOCTORAL

Doctor of Philosophy

School of Humanities, Arts, and Social Sciences

Anca-Patricia Anghel

Thesis in the field of Economics: Three Essays in Economics

Pablo Daniel Azar

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Thesis in the field of Economics: Essays in Network Economics

Olivia Anna Kristina Bergman

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Designing Policy Feedback: Experimental Evidence on the Everyday Politics of the Social Contract

Elissa Matz Berwick

(September, 2019)

Thesis in the field of Political Science: Sub-state Nationalism and Social Solidarity: Essays on Spain and the United Kingdom

David Alan Builes

Thesis in the field of Philosophy submitted to the Department of Linguistics and Philosophy: The Empirical Relevance of Metaphysics

Ashawari Chaudhuri

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Thesis in the field of History, Anthropology, and Science, Technology, and Society submitted to the Program in Science, Technology, and Society: The Kernel of Doubt: Agricultural Biotechnology, Braided Temporalities, and Agrarian Environments in India

María Loreto Cox Alcaíno

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Thesis in the field of Political Science: Essays on Politics and Education

Elizabeth Ann Knudson Dekeyser

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Mert Demirer

Thesis in the field of Economics and Statistics: Essays on Production Function Estimation

Ömer Demirok

(September, 2019)

Thesis in the field of Linguistics submitted to the Department of Linguistics and Philosophy: Scope Theory Revisited: Lessons from Pie-piping in *wh*-questions

Kevin Matthew Dorst

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Thesis in the field of Philosophy submitted to the Department of Linguistics and Philosophy: Modest Epistemology

Naomi Clair Francis

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Michael Raphael Freedman

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Cosmo Douglas Grant

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Thesis in the field of Philosophy submitted to the Department of Linguistics and Philosophy: Foundations and Philosophical Applications of Game Theory

Colin Travis Gray

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Thesis in the field of Economics: Essays on Social Insurance Program Design

Jonathon Hazell

Thesis in the field of Economics: Essays on Empirical Macroeconomics

Ryan Reed Hill

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Nicholas Intscher

Thesis in the field of Political Science: The Fragmentation of Political Risk and MNCs' Supply Chain Linkages

Clare Seungyoon Kim

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Thesis in the field of History, Anthropology, and Science, Technology, and Society submitted to the Program in Science, Technology, and Society: The Subjects of Modernism: Mathematics, Art, and the Politics of Value in Twentieth-Century United States

Alison Laurence

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Jetson Leder-Luis

Thesis in the field of Economics: The Economics of Fraud and Corruption

Rose Elizabeth Lenehan

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Thesis in the field of Philosophy submitted to the Department of Linguistics and Philosophy: Reparations, Racial Exploitation, and Racial Capitalism

Chen Lian

Thesis in the field of Economics: Essays on Behavioral Economics and Macroeconomics

Nicholas Steven Longenbaugh

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Thesis in the field of Linguistics submitted to the Department of Linguistics and Philosophy: On Expletives and the Agreement/Movement Correlation

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Development

Sophie Moracchini

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Thesis in the field of Linguistics
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Linguistics and Philosophy:
Morphosyntax and Semantics of Degree
Constructions

Yaroslav Vadimovich Mukhin

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Thesis in the field of Economics and
Statistics: Geometric Methods in
Econometrics and Statistics

Lucas Melvin Müller

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Relationships: Health and the Politics of
Science and Trade in the Postcolonial
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Practices and Epistemologies for the 21st
Century

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Institutions

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Incubating (Financial) Development:
Private Equity in Latin America

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Intermediaries of the State: Bureaucratic
Transaction Costs of Claiming Welfare in
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Beth Michelle Semel

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Thesis in the field of History,
Anthropology, and Science, Technology,
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Science, Technology, and Society:
Speech, Signal, Symptom: Machine
Listening and the Remaking of
Psychiatric Assessment

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Thesis in the field of Economics: Land
Use and Development Over the Long
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The Political Logics of Patronage: Uses
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Identities and Issue Opinions: Learning
from Climate Change

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Thesis in the field of Philosophy
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Linguistics and Philosophy: Love First

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Investment and Aggregate Demand

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Sloan School of Management

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Statistical Models

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Doctor of Science

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Thesis in the field of Physics: Sterile Neutrino Searches at the IceCube Neutrino Observatory

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Environmental Modulation of Microbial Communities

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Transcriptome-Wide Organization of Subcellular Microenvironments Revealed by ATLAS-Seq

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Thesis in the field of Biology: Functional Changes in Connectivity Induced by Differential Manipulations of Activity in *Drosophila* Tonic Versus Phasic Motoneurons

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Thesis in the field of Biology: Intersubunit Communication and Coordinated Mechanical Activity in the AAA+ Protease ClpXP

John Brooks Biersteker

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Thesis in the field of Mathematics: Affine Springer Fibers and the Representation Theory of Small Quantum Groups and Related Algebras

Djenet Bousbaine

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Thesis in the field of Microbiology submitted to the Department of Biology: Commensal-Specific Immune Responses At The Intestinal Mucosa

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Daniel Briskin

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Aaron William Buikema

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Thesis in the field of Mathematics: An Orientation Map for Height p-1 Real E Theory

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Thesis in the field of Mathematics: A Topology on Points on Stacks

Nathaniel David Chu

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Jennifer K. Cloutier

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Steven Eli Cohen

Thesis in the field of Chemistry submitted to the Department of Chemistry: Multienzyme Assemblies and Dynamics in Acetogenesis and Methanogenesis

Max Collinet

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Thesis in the field of Geology submitted to the Department of Earth, Atmospheric, and Planetary Sciences: Experimental and Analytical Studies of Partial Melting in Planetesimals and the Martian Mantle

Julian Colton Cooper

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Thesis in the field of Chemistry submitted to the Department of Chemistry: Novel Metal- and Main Group-Catalyzed Methods for Modulating Molecular Oxygenation

Miles Meissner Paasikivi Couchman

Thesis in the field of Mathematics: The Stability of Bound States in Pilot-Wave Hydrodynamics

Ian Thomas Hunt Counts

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Reynier Cruz Torres

Thesis in the field of Physics: Two-Nucleon Short-Range Correlations in Light Nuclei

Peter Holmes Culviner

(September, 2019)

Thesis in the field of Computational and Systems Biology submitted to the Department of Biology: Endoribonuclease Toxin-antitoxin Systems in Bacteria: Targets and Growth Inhibition

Zhehao Dai

Thesis in the field of Physics: Exploring Strongly Interacting Gapless States: Cuprates, Pair Density Waves, and Fluctuating Superconductivity

Simona Dalin

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Thesis in the field of Biology: Cell-Intrinsic and Cell-Extrinsic Resistance to Classical Chemotherapies

Kathleen Patricia Davis

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Thesis in the field of Biology: Specificity and Benefits of an Exclusion Mechanism for a Mobile Genetic Element in *Bacillus subtilis*

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Thesis in the field of Biology: Structural Characterization of Glycyl Radical Enzymes in the Human Gut Microbiome

Nicholas Andrew DeLateur

(September, 2019)

Thesis in the field of Chemistry submitted to the Department of Chemistry: Engineering LuxR-type Quorum Sensing Proteins for New Functions

Joseph Michael Dennis, Jr.

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Thesis in the field of Chemistry submitted to the Department of Chemistry: Palladium- and Nickel-Catalyzed C–N Cross-Coupling Reactions Featuring Soluble Organic Bases

Ivana Ljubomirova Dimitrova

(February, 2020)

Thesis in the field of Physics: Realizing Quantum Spin Models with Li 7 Atoms in an Optical Lattice

Amro Hani Ali Dodin

Thesis in the field of Chemistry submitted to the Department of Chemistry: Transport and Fluctuations at the Nanoscale

Natalia C. Droso

(February, 2020)

Thesis in the field of Biology: Understanding the Mechanism of Anti-Retroviral Nucleoside Analogs as Inhibitors of Epstein-Barr Virus Lytic DNA Replication

Yiheng Duan

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Thesis in the field of Physics: Enhanced Light-Atom Interaction in an Optical Resonator

Ryan Andrew Duncan

Thesis in the field of Chemistry submitted to the Department of Chemistry: Mechanical Properties of Complex Solids and Exotic Thermal Transport Dynamics Investigated with Optical and Extreme-Ultraviolet Transient Grating Techniques

Kaitlyn Anne Dwelle

Thesis in the field of Chemistry submitted to the Department of Chemistry: Understanding Electrochemistry at the Molecular Scale: Molecular Dynamics Methods and Applications

Timothy Jonas Eisen

Thesis in the field of Biology: Form and Function of Poly(A) Tails

Matthew Ryan Elkins

(February, 2020)

Thesis in the field of Chemistry submitted to the Department of Chemistry: Protein-Ligand Binding by Solid-State NMR: Cholesterol Interactions in Membranes and with the Influenza A M2 Protein

Trevor John Erickson

Thesis in the field of Chemistry submitted to the Department of Chemistry: Laser Spectroscopy of Acetylene

Martin Jin-teng Falk

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Thesis in the field of Physics: Self-Assembly of Biological Heteropolymers

Manuel A. Florez Torres

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Thesis in the field of Geophysics submitted to the Department of Earth, Atmospheric, and Planetary Sciences: A Global Study of Double Seismic Zones and Its Implications for the Mechanism of Intermediate-Depth Earthquakes

Caitlin Marie Niesen Friend

Thesis in the field of Molecular Biology submitted to the Department of Biology: The Roles of the Helicase Double-Hexamer Complex and the SSB Protein RPA during Eukaryotic DNA Replication

Michael Bailly Geeson

Thesis in the field of Chemistry submitted to the Department of Chemistry: New Reactions and Reagents for Phosphorus-Carbon Bond-Formation

Alex S. Genshaft

Thesis in the field of Chemistry submitted to the Department of Chemistry: Methods to Interrogate Cells and Their Interactions with Single-Cell Resolution

Matthew Aaron Getz

(September, 2019)

Thesis in the field of Biology: Characterization of the Roles of Xrn1p in Small-RNA-Mediated Gene-Silencing Pathways

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Thesis in the field of Genetics submitted to the Department of Biology: A Quantitative View of Y-Chromosome Gene Expression across the Human Body

David C. Goldfinger

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Thesis in the field of Physics: X-ray Searches for Decaying Sterile Neutrinos with the Micro-X and XQC Sounding Rockets

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Thesis in the field of Geophysics submitted to the Department of Earth, Atmospheric, and Planetary Sciences: Imaging and Interpreting Seismic Heterogeneity in the North American Lithosphere

Allena Mistral Goren

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Thesis in the field of Chemistry submitted to the Department of Chemistry: Structural and Functional Studies of Heme Binding Proteins Toward the Understanding of Malaria

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Thesis in the field of Mathematics: The Role of Smoothing Effect in Some Dispersive Equations

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Thesis in the field of Chemistry submitted to the Department of Chemistry: New Fundamental Transformations of Heterocyclic Compounds Enabled by Copper Catalysis

Xueying Guo

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Thesis in the field of Physics: Statistical Analyses of Exoplanetary Systems and Individual Studies of the Atmospheres of Two Sub-Neptune-Sized Planets

Mukund Gupta

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Eric Calvin Hansen

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Thesis in the field of Chemistry submitted to the Department of Chemistry: Low-Toxicity, Earth-Abundant Nanomaterials for Photoluminescence or Magnetic Resonance

Renin Hazan

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Campbell Lucas Hewett

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Yu-Chien Huang

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Thesis in the field of Mathematics: Asymptotic Description of the Formation of Black Holes from Short-Pulse Data

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Thesis in the field of Mathematics: Quantitative Invertibility of Random Matrices: a Combinatorial Perspective

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Thesis in the field of Chemistry submitted to the Department of Chemistry: Polymeric Antigens as Targeted Probes of Immunity

Li Jing

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Thesis in the field of Microbiology submitted to the Department of Biology: Effects of the Mobile Genetic Element ICEBs1 on Bacterial Host Fitness

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Thesis in the field of Biochemistry submitted to the Department of Biology: Structural and Functional Investigations of Mechanisms of Iron-Utilizing Enzymes

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Thesis in the field of Physics: Inferring System Properties from Thermodynamic Fluctuations: A Tool Development Approach

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Borys Kadets

Thesis in the field of Mathematics: Arboreal Representations, Sectional Monodromy Groups, and Abelian Varieties over Finite Fields

Gyunghoon Kang

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Thesis in the field of Chemistry submitted to the Department of Chemistry: Structural Investigations of Class Ia Ribonucleotide Reductases by Electron Microscopy

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Amelie A. Raz

Thesis in the field of Biology: Choices in Regeneration: Position and Fate

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Doctor of Philosophy

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(February, 2020)

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COMMENCEMENT

